

AMRL-TR-77-2



INTERCORRELATIONS OF ANTHROPOMETRIC MEASUREMENTS: A SOURCE BOOK FOR USA DATA

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MAY 1978

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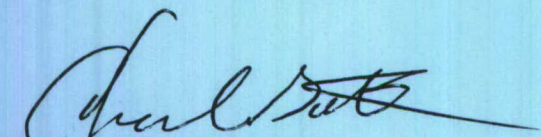
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AMRL-TR-77-2

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FOR THE COMMANDER



CHARLES BATES, JR.

Chief

Human Engineering Division

Aerospace Medical Research Laboratory

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER AMRL-TR-77-2	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) INTERCORRELATIONS OF ANTHROPOMETRIC MEASUREMENTS: A SOURCE BOOK FOR USA DATA		5. TYPE OF REPORT & PERIOD COVERED Final Technical Report July 1975 - October 1976
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Edmund Churchill, Webb Associates, Inc. Paul Kikta, Univ. of Dayton Research Institute * Thomas Churchill, Webb Associates, Inc.		8. CONTRACT OR GRANT NUMBER(s) F33615-76-C-5007
9. PERFORMING ORGANIZATION NAME AND ADDRESS Webb Associates, Inc. P. O. Box 308 Yellow Springs, Ohio 45387		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 62202F, 7184-08-26
11. CONTROLLING OFFICE NAME AND ADDRESS Aerospace Medical Research Laboratory Aerospace Medical Division (AFSC) Wright-Patterson AFB, Ohio 45433		12. REPORT DATE May 1978
		13. NUMBER OF PAGES 306
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES ** University of Dayton Research Institute University of Dayton Dayton, Ohio 45469		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) correlation matrices surveys anthropologists anthropometric data military statisticians variables civilian coefficients body size interrelationships engineering design problems		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Correlation matrices based on data from USAF anthropometric surveys of women (1968, 127 variables), flying personnel (1950, 128 variables; 1967, 190 variables), and basic trainees (1965, 161 variables); a U. S. Army survey of women separetees (1946, 60 variables); the Health Examination Survey of civilian adults (1960-1962, 18 variables); and a survey of law enforcement officers (1974, 23 measurements) are presented for use by engineers who need them in solving design problems and for anthropologists and statisticians		

20. ABSTRACT (continued)

whose analyses and understanding of the interrelationships of body size data depend significantly on these coefficients. Sample sizes in these surveys ranged from almost 2000 upward. Definitions and basic univariate summary statistics are presented for all variables involved. Appendices contain a glossary of anatomical terms, tables for establishing confidence limits for the correlation coefficients presented here, computer programs used in preparing this report, and an index by name, anatomical type, and anthropometric technique. A bibliography is also included.

AD-A058616

PREFACE

This study was conducted under contract F33615-76-C-5007 with the Aerospace Medical Research Laboratory, U. S. Air Force, Wright-Patterson Air Force Base, Ohio. Project scientists were Edmund Churchill and Dr. John T. McConville, Anthropology Research Project, Webb Associates. Mr. Charles E. Clauser, Crew Station Integration Branch, Aerospace Medical Research Laboratory, acted as contract monitor.

Ms. Ilse Tebbetts and Ms. Jane Reese, Webb Associates, edited and prepared the manuscript for publication. Dr. Melvin J. Warrick, Human Engineering Division, Aerospace Medical Research Laboratory, critically reviewed the manuscript and his valuable suggestions are hereby acknowledged.

TABLE OF CONTENTS

<u>Section</u>		<u>Page</u>
I	INTRODUCTION.....	5
II	THE DATA SOURCES.....	13
III	THE MEASUREMENTS.....	15
	Position of the Subject.....	33
	The Side of the Body.....	33
	Heights, Breadths, Depths, Circumferences, Arcs.....	33
	Anatomical and Other Special Terms.....	34
IV	THE CORRELATIONS--AIR FORCE WOMEN--1968.....	68
V	THE CORRELATIONS--USAF FLYING PERSONNEL--1967.....	96
VI	THE CORRELATIONS--USAF FLYING PERSONNEL--1950.....	162
VII	THE CORRELATIONS--USAF BASIC TRAINEES--1965.....	191
VIII	THE CORRELATIONS--ARMY WOMEN SEPARATEES--1946.....	236
IX	THE CORRELATIONS--HEALTH EXAMINATION SURVEY-- 1960-62.....	245
X	THE CORRELATIONS--LAW ENFORCEMENT OFFICER SURVEY-- 1974.....	254
APPENDIXES:		
A	A Glossary of Anatomical and Anthropometric Terms.....	258
B	Confidence Limits for the Correlation Coefficients.....	267
C	Computer Programs.....	272
D	Index by Name, Anatomical Region and Anthropometric Technique.....	283
	REFERENCES.....	301

LIST OF ILLUSTRATIONS

<u>No.</u>		<u>Page</u>
1	Illustrations of interrelationships of anthropo- metric data (AFW'68 Survey).....	7-8
2	Regression bands.....	9
3	Ninety-five percent probability ellipses.....	10

LIST OF TABLES

<u>No.</u>		<u>Page</u>
I	Definitions of Measurements.....	20
IIA	Univariate Summary Statistics for the 1968 Survey of Air Force Women.....	37
IIB	Univariate Summary Statistics for the 1967 Survey of Flying Personnel.....	40
IIC	Univariate Summary Statistics for the 1950 Survey of Flying Personnel.....	44
IID	Univariate Summary Statistics for the 1965 Survey of USAF Personnel.....	47
IIE	Univariate Summary Statistics for the 1946 Survey of Army Female Separatees.....	51
IIF	Univariate Summary Statistics for the 1962 Health Examination Survey Females.....	53
IIG	Univariate Summary Statistics for the 1962 Health Examination Survey Females--Ages 25-40.....	54
IIH	Univariate Summary Statistics for the 1962 Health Examination Survey Males.....	55
IIJ	Univariate Summary Statistics for the 1962 Health Examination Survey Males--Ages 25-40.....	56
IIK	Univariate Summary Statistics for the 1974 Survey of Law Enforcement Officers.....	57

LIST OF TABLES (continued)

<u>No.</u>		<u>Page</u>
III	Measurement Locator.....	58
IV	Correlation Coefficients for Air Force Women--1968.....	69
V	Correlation Coefficients for USAF Flying Personnel-- 1967.....	97
VI	Correlation Coefficients for USAF Flying Personnel-- 1950.....	164
VII	Correlation Coefficients for USAF Male Basic Trainees-- 1965.....	192
VIII	Correlation Coefficients for Army Women Separates-- 1946.....	237
IX	Correlation Coefficients for Health Examination Survey Females.....	246
X	Correlation Coefficients for Health Examination Survey Females==Ages 25-40.....	248
XI	Correlation Coefficients for Health Examination Survey Males.....	250
XII	Correlation Coefficients for Health Examination Survey Males--Ages 25-40.....	252
XIII	Correlation Coefficients for Law Enforcement Officers-- 1974.....	255
B-1	95% Confidence Limits for the Correlation Coefficients..	268
B-2	99% Confidence Limits for the Correlation Coefficients..	270

INTERCORRELATIONS OF ANTHROPOMETRIC MEASUREMENTS: A SOURCE BOOK FOR USA DATA

Section I

INTRODUCTION

The correlation coefficient is the most useful and most important of the statistical measures after the arithmetic mean and standard deviation. The coefficient was devised and developed by Francis Galton and Karl Pearson in the last decades of the nineteenth century as a measure of the degree of interrelationship or concomitant variation of a pair of variables and, in addition, as a statistic related to what is now known as the linear regression equation (see Figures 1 and 2).

These original roles of the correlation coefficient--more formally the "Pearsonian product-moment coefficient"--are still its most important ones and if it had no other roles to play, the correlation coefficient would still occupy a position of major importance among the statistical measures. There are, however, a number of other important purposes served by the correlation coefficient in statistics generally and, in particular, in the statistics of anthropometric measurements and variables which share with them the statistical properties of approximately normal distributions and small coefficients of variation. It may be worth noting some of these roles.

1. Linear measures of relationship and regression equations involving three or more variables can be expressed directly in terms of the multiple correlation coefficients--along with, in some cases, the means and standard deviations. We shall list a number of formulas for multiple correlations and multiple regression equations later in this report.
2. The bivariate and multivariate normal distributions--no matter the number of variables involved--are completely specified by the means, standard deviations, and the correlation coefficients. Once these statistics are known, essentially any question about such distributions can be answered. We can, for example, create theoretical bivariate and trivariate frequency tables, estimate the proportion of individuals who will exceed the mean plus the standard deviation on all variables, determine the parameters of equal probability ellipses (see Figure 3), and make a wide variety of similar calculations.

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND STATURE, MAXIMUM

		STATURE, MAXIMUM																				TOT	
		145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	185	ALS
183.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1
181.00																							1
179.00																					1	1	2
177.00																			8	1			9
175.00																		11	5				16
173.00																	12	3					15
171.00																45	18	1					64
169.00															78	18							96
167.00														113	26								139
165.00													123	61									184
163.00												157	44										201
161.00										1	161	68											230
159.00										1	174	79											254
157.00										131	74												205
155.00										133	58												191
153.00										97	50												147
151.00										55	22												77
149.00										33	18												51
147.00										10	4												14
145.00										1	1												7
TOTALS		1	2	16	37	73	119	183	190	249	240	225	167	174	104	63	30	15	13	2	1	1	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	STATURE	162.10	6.00	.99*X +	.983	.38
X-	STATURE, MAXIMUM	162.75	6.02	1.00*Y +	.644	.38

A. An almost perfect relationship: Correlation coefficient = 0.998.

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER CIRCUMFERENCE

		SHOULDER CIRCUMFERENCE																			TOT
		87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	ALS
199.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1
194.00																					2
189.00														1			1	1			4
184.00														1			2	2	1		6
179.00													1	2							4
174.00													1	1	1		2				6
169.00													1	2	6	1	1	2	1		15
164.00													2	4	6	1	2	2			19
159.00													2	4	11	5	3	1	2	1	30
154.00													1	1	15	11	9	1			56
149.00													1	6	11	15	11				79
144.00													2	3	15	26	25	30	17	5	124
139.00													3	5	12	33	40	30	23	6	156
134.00													4	6	17	48	55	33	17	4	186
129.00													1	5	32	58	55	57	20	8	239
124.00													1	29	38	62	64	33	15	3	245
119.00													1	12	24	55	66	32	16	5	211
114.00													3	20	41	55	56	18	3	1	197
109.00													2	6	20	53	40	14	7	1	143
104.00													2	10	27	29	22	8			99
99.00													6	11	23	17	4				61
94.00													1	1	6	9	1				18
89.00																2					2
84.00																1					1
TOTALS		2	11	38	116	206	260	297	279	255	164	123	81	33	16	9	9	5	0	1	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	WEIGHT	127.28	16.59	2.70*X -	143.832	9.13
X-	SHOULDER CIRCUMFERENCE	100.41	5.14	.26*Y +	67.319	2.83

B. A close relationship: Correlation coefficient = 0.835.

Figure 1. Illustrations of interrelationships of anthropometric data (AFW'68 Survey).

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE

		STATURE																						TOT
		145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	ALS		
		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
199.00												1			1			1				2		
194.00										1												2		
189.00												2	1			1						4		
184.00											1	2		1	2							6		
179.00												1	1									4		
174.00										1				3		1				1		6		
169.00						1		1	1	1		2			3	2		2				15		
164.00									2	3	1	6	1	4	1	1	1					19		
159.00							1	1	2	2	2	1	4	4	7	3	1					30		
154.00								1	2	1	4	3	12	8	7	8	6	1	1	2		56		
149.00						1	1		2	4	9	12	16	16	8	8		1	1			79		
144.00			1				1	8	2	9	21	16	18	20	10	8	3	6	1			124		
139.00			1				6	10	8	15	21	24	21	19	17	8	4	1		1		156		
134.00				2	3	11	11	11	18	25	30	26	25	12	6	12	3	1	1			186		
129.00		1	1	5	4	6	16	27	40	37	38	30	17	13	3				1			239		
124.00				4	8	17	30	39	38	31	21	25	15	8	5	1	2	1				245		
119.00				3	15	15	27	35	40	25	22	10	11	4	2			1		1		211		
114.00		3	2	8	14	25	32	28	34	22	9	7	9	2	2							197		
109.00		1	2	7	15	20	18	23	21	14	11	6	1	2	2							143		
104.00			1	4	11	7	22	20	9	11	7	2	3	2								99		
99.00	2	1			9	6	15	10	8	6	3		1									61		
94.00			2		2	3	5	4		2												18		
89.00				1				1														2		
84.00																						1		
TOTALS		2	7	14	51	77	147	191	205	254	230	201	184	139	96	64	15	16	9	2	1	1905		

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	WEIGHT	127.28	16.59	1.47*X -	111.010	14.04
X-	STATURE	162.10	6.00	.19*Y +	137.920	5.08

C. A modest relationship: Correlation coefficient = 0.533.

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SUBNASALE LENGTH

MENTON-SUBNASALE LENGTH																					TOT
	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	7	7	7	ALS		
	.10	.30	.50	.70	.90	.10	.30	.50	.70	.90	.10	.30	.50	.70	.90	.10	.30	.50			
5.90									1	1									3		
5.70									2	1		1							3		
5.50						1	5	4	2	3	3	2	2	2					24		
5.30			2	1		6	5	4	6	7	5	3	1	2	1			1	44		
5.10	1	2	2	4	5	8	19	18	16	15	20	5	6		1	1			123		
4.90		2	4	2	9	17	18	23	20	19	21	9	6	2	2	1			155		
4.70		2	2	13	8	23	35	47	35	35	24	19	11	3				1	258		
4.50	3	2	6	9	16	35	50	46	51	43	40	21	11	6	2				341		
4.30	2	6	3	18	22	49	49	65	56	36	37	14	5	5	5	1			373		
4.10		3	6	9	17	39	36	72	59	35	27	15	9	6	4	1			338		
3.90		1	3	6	1	12	18	18	19	14	13	5	2	2	1				115		
3.70	1			1	6	12	8	18	15	13	8	2	2			1			87		
3.50				1		4	3	7	7	2	6			1					31		
3.30						1	1		2	2	2		1						9		
3.10					1														1		
TOTALS	7	18	28	64	85	207	247	322	291	226	206	96	56	29	16	5	0	2	1905		

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	LIP LENGTH	4.38	.42	.06*X +	4.046	.42
X-	MENTON-SUBNASALE LENGTH	5.54	.51	.09*Y +	5.147	.51

D. A negligible, almost non-existent relationship: Correlation coefficient = 0.070.

Figure 1 (continued). Illustrations of interrelationships of anthropometric data (AFW'68 Survey).

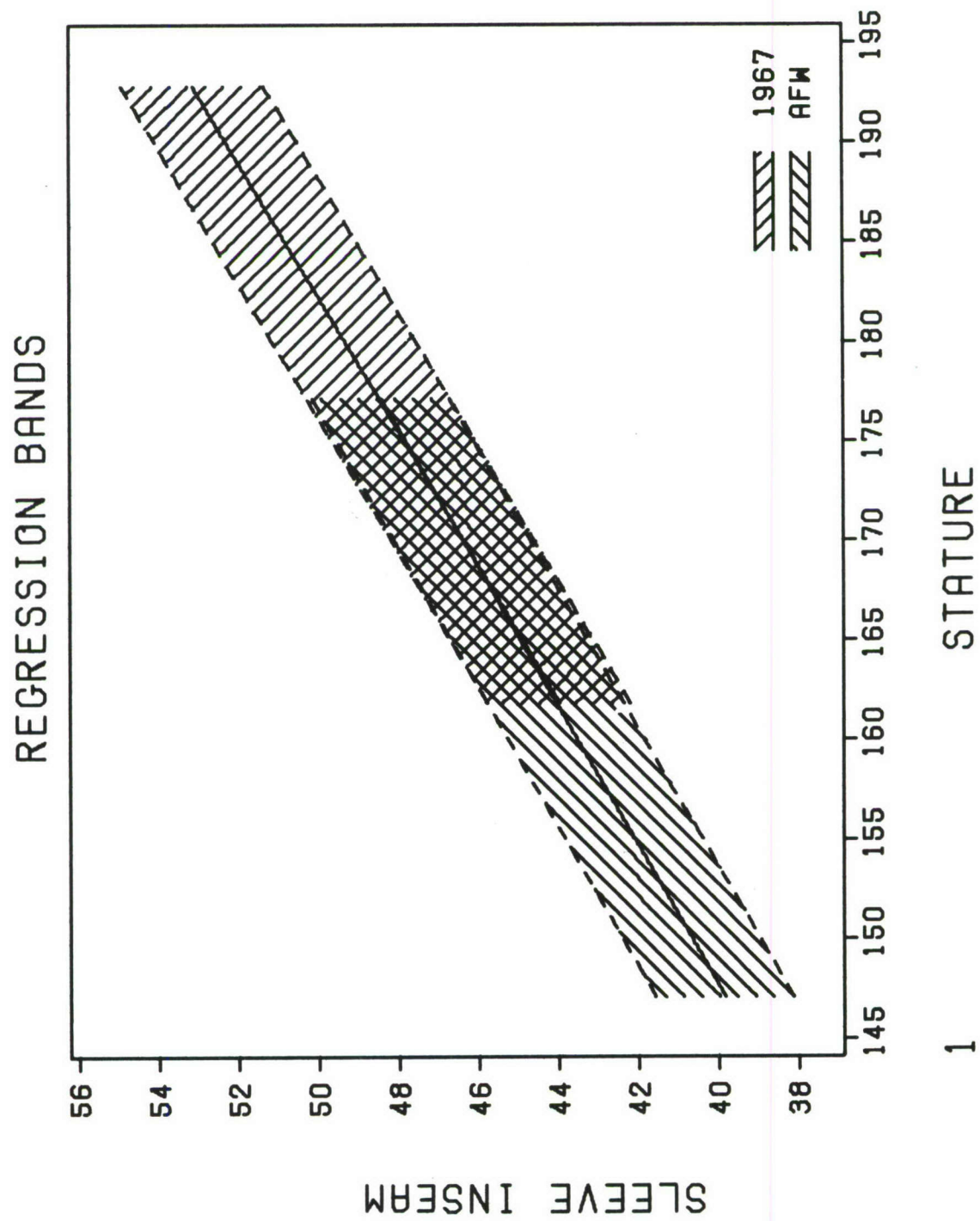


Figure 2. Regression bands.

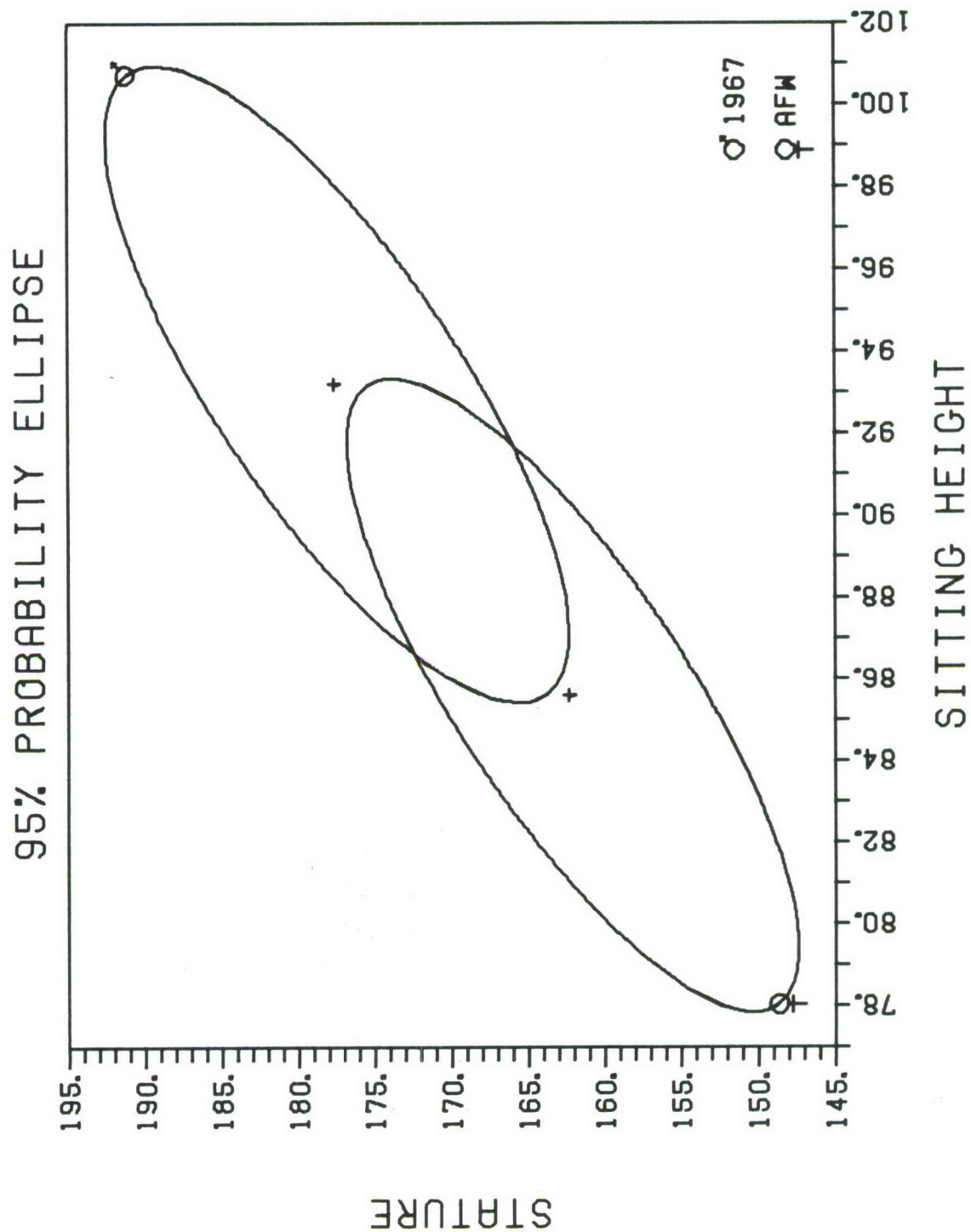


Figure 3. Ninety-five percent probability ellipses.

3. The correlation coefficient plays an important role in the statistics of combinations of variables. The simplest example is that of the sum (or difference) of two variables. The mean of the sum (or difference) is simply the sum (or difference) of the means; the standard deviation, however, involves not only the individual standard deviations but the correlation between the two variables as well:

$$SD_{x \pm y} = \sqrt{SD_x^2 \pm 2r \cdot SD_x \cdot SD_y + SD_y^2}$$

where "r" represents the correlation coefficient. Means, standard deviations, and correlation coefficients for many combinations of statistical variables can be specified exactly in terms of the basic statistics for the individual variables involved. For variables with small coefficients of variation, the statistics for many other combinations can be approximated quite accurately in the same way. A general theorem and some specific examples of the statistics of combinations of variables will be given later.

4. The correlation coefficient frequently appears--often for reasons related to its roles discussed in the last two paragraphs--in a wide variety of formulas such as ones for tests of statistical significance and for discriminant functions. Correlation coefficients are basic to factor analyses and play a number of roles as measures of reliability, of validity, and the like.

Because of their wide usefulness and considerable importance, it is clearly desirable that correlation coefficients be available both to the engineers who need them in solving design problems and to the anthropologists and statisticians, both inside and outside the Department of Defense, whose analysis and understanding of body size data depend so significantly on these coefficients. For this reason it was deemed worthwhile to prepare the present report. Basically, this report is, as it has been entitled, a source book. Its basic content consists of the correlation matrices based on data from seven major surveys of American adults--four surveys of the U. S. Air Force, one of the U. S. Army, the first of the Health Examination surveys of the civilian population, and a survey of law enforcement officers. This report also contains information, both statistical and non-statistical, to facilitate the use of these correlation coefficients.

Reasons for the choice of the seven surveys are given and a small amount of background information supplied for each survey in Section II. Section III provides brief definitions of each of the measurements, summary statistics (means, standard deviations and selected percentiles) and a table to facilitate locating specific measurements in the correlation matrices.

Sections IV through X contain the correlation matrices and additional information about the individual surveys.

Correlation coefficients are listed to four decimal places in Tables IV-XIII to facilitate accurate computations when complex relationships among the coefficients are involved. In the preparation of these tables, some subjects with missing data, and a few variables with numerous omissions, were eliminated; the correlation coefficients and the related univariate statistics reported in Table II were computed for each survey using the data for the same individuals.

The report concludes with four appendices. Appendix A is a glossary of anthropometric terms, particularly those used in the definitions of the measurements (Table I). Appendix B provides tables for determining confidence limits for the correlation coefficients already presented. Appendix C gives the computer programs used in computing both the correlation coefficients and the univariate statistics presented in Section III. The final appendix consists of the Index of Measurements by Anatomical Type and Measurement Technique.

The survey data covered in this report have been transposed into a common format and are available on magnetic computer tapes which may be obtained from the National Technical Information Service (NTIS). A detailed description of these tapes has been reported in Churchill, Edmund, T. Churchill and P. Kikta, 1977, The AMRL Anthropometric Data Bank Library: Volumes I-V, AMRL-TR-77-1, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio. The "Names on Tape" cited in Table III refer to variable names entered on the above-mentioned computer tapes.

Section II

THE DATA SOURCES

The data for this study came from seven surveys. Five of the seven were large-scale studies of military populations. The remaining two consist of anthropometric studies of adult U. S. civilians and law enforcement officers. The five military surveys were selected from a dozen or so major military surveys made in the past 30 years; the non-military surveys, by contrast, constitute the only ones made during this period on large samples for which the data are available.

The seven surveys are these:

1. The survey of the USAF Flying Personnel made in 1967 (Grunhofer & Kroh 1975).
2. The survey of the Air Force Women made in 1968 (Clauser et al. 1972).
3. The basic trainee aspects of a survey of USAF males made in 1965 (unpublished data).
4. The survey of USAF Flying Personnel made in 1950 (Hertzberg et al. 1954).
5. The survey of U. S. Army female separatees made in 1946 (Randall & Munro 1949).
6. The Health Examination Survey of adult civilians made in 1960-62 (Stoudt et al. 1965).
7. The anthropometric study of law enforcement officers made in 1974 (Martin et al. 1975).

The 1967 Flying Personnel (FLY'67) and the Air Force Women (AFW'68) surveys are the two major anthropometric surveys of U. S. populations made during the past decade and were selected because they represent the largest and latest sources of anthropometric data for USAF men and women. The third survey--the basic trainee aspect of the USAF 1965 survey (B-T'65)--was selected to provide a contrast to the 1967 Flying Personnel survey. The subjects in this survey consisted of a group of young men quite homogeneous with respect to age and generally with only a high school education. The group included Blacks more or less in proportion to the number of Blacks in the general population. The members of the 1967 Flying Personnel sample were, by contrast, older, fairly diverse in age, virtually all college graduates and, in almost all cases, White.

The 1950 Flying Personnel (FLY'50) survey and the Army separatees (WAC'46) survey were chosen partly because they were surveys done 25-30 years ago on groups somewhat similar to the FLY'67 and the AFW'68 samples. A few measurements which had been made in these earlier surveys were not repeated in the 1967 and 1968 surveys; thus, the inclusion of these earlier surveys provides information not given by our studies of the more recent ones. The main reason for including FLY'50 and WAC'46 surveys, however, was to provide a basis for judging the stability of the correlation coefficient. When we obtain substantially equal numerical values from two surveys with somewhat different types of samples, measured, undoubtedly, by slightly different techniques, and at substantially different times, this agreement provides us with some confidence that the computed value represents something "real". The opportunity to compare pairs of matrices will, in addition, occasionally help us answer the question of whether an odd looking value may be an artifact of some quirk in the sample selection or measurement technique.

The Health Examination and Law Enforcement surveys were included in this study because of the desirability of including as much non-military data as possible. The Health Examination Survey data undoubtedly constitute the most important set of body size data obtained on a scientifically selected sample from any major population. These data provide an unusual basis for relating the great mass of military data to the general adult population of this country. About equal numbers of men and women, ranging in age from 18 to 80, were included in this survey. Correlation matrices and summary statistics are reported separately for the two sex groups. Because the age span in this survey was so great and so different from those of the other surveys, the matrices and summary statistics are provided both for the total age span and for the 25-40 year subgroup. The Law Enforcement officer survey sampled a population different in a number of ways from both the general population and the military samples. The data from this survey will provide a further basis for studying the stability of the correlation coefficient from population to population.

Correlation matrices from a few surveys similar to these have been published. The report of the Department of Agriculture's 1939-1940 survey of civilian women contains the matrix for 59 measurements. A matrix based on data collected in the 1970 survey of the U. S. Army aviators is included in Anthropometry of U. S. Army Aviators--1970 (Churchill et al. 1971). The matrix for the 1952 Air Force survey of female basic trainees appears in WAF Trainee Body Dimensions: A Correlation Matrix (Churchill & Bernhardt 1957). The material presented here for the AFW'68 survey was included, in only slightly different form, in Anthropometry of Air Force Women (Clauser et al. 1972).

Brief descriptions of the individual surveys accompany the correlation matrices throughout the report.

Section III

THE MEASUREMENTS

A grand total of almost 275 different measurements were made in one or more of these seven surveys. A mere half dozen of these--stature, weight, sitting height, buttock-knee length, chest circumference, and waist circumference--were made in all the surveys. A considerably larger number (almost 90) was only measured a single time.

All available body size measurements, age, and, for several of the surveys, grip strength and the subjects' reported heights and weights, were used in this study. In the case of a few measurements, data were unavailable for a substantial proportion of a survey sample and the measurements were omitted. The measurements not used consisted of: 13 measurements made in the Air Force Women's survey with the subject wearing a foundation garment and which were available for only about two-thirds of the sample; five measurements made in the Flying Personnel-1950 survey, two of them related to the hairline which were omitted on bald or balding subjects and three measurements introduced into the survey only after it was a third over; and five foot measurements of the WAC-1946 survey deleted because of technical difficulties with the data cards.

Three major tables related to these measurements are presented in this section. Table I (page 20) provides brief definitions of each of the measurements. Table II (page 37) contains univariate statistical summaries for each measurement. The measurements appear in these tables in alphabetic sequence and are numbered in ascending, but usually non-consecutive, order. In the correlation matrix for each survey, on the other hand, the variables are listed in a sequence unique to that survey. Table III (page 58), designated as a "Measurement Locator," is designed to facilitate location of each measurement in the correlation matrices in which it appears, and to minimize the problems created by the fact that some of the measurements had different names in different surveys.

As noted above, the contents of Table I are definitions of the measurements. These definitions should not be interpreted as descriptions of actual measurement techniques. It would be unwise to assume that the measuring techniques were precisely the same in each survey, although the general pattern of the univariate statistics usually shows a considerable level of consistency from survey to survey. For the sake of completeness, we have included here, and in Table II, those measurements from the AFW'68 and the FLY'50 surveys which were omitted from the correlation study because of incomplete data.

To keep the length of Table I within reasonable bounds, we have used several conventions in preparing the definitions; these definitions need to be interpreted in accordance with these conventions:

A. Position of the Subject. Most of the measurements were made with the subject in one of three positions: standing erect, sitting erect, or standing under the headboard. Only when the subject's position was important and he was measured in a position other than one of these three is the position described in this table. The three basic positions are as follows:

1. Standing, erect. The usual position if no position is specified and the word sitting does not appear either in the measurement name or in the definition:

The subject stands erect, looking straight ahead (head in the Frankfort plane), heels together, weight distributed equally on both feet, arms hanging naturally at his sides.

2. Sitting, erect. The usual position if the word sitting appears either in or immediately following the measurement name:

The subject sits erect, looking straight ahead (head in the Frankfort plane), upper arms hanging relaxed, forearms and hands extended forward horizontally, thighs parallel, and the feet resting on a surface adjusted so that the knees are flexed 90°.

3. Headboard measurements. The numerous head and face measurements labelled as "to Wall" or "to Top of Head" were usually made with the headboard except in the FLY'50 survey:

The subject stands erect under the headboard, looking straight ahead (head in the Frankfort plane). The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head.

B. The Side of the Body. All one-sided measurements were made on the right side of the body, unless the left side is especially specified. This is true in all surveys except the WAC'46 survey in which measurements were made on the left side. Measurements made on the opposite side usually include "II" as part of their name as, for example, Biceps Circumference Flexed, II.

C. Heights, Breadths, Depths, Circumferences, Arcs. Heights, breadths, and depths are straight line measurements made with an anthropometer, calipers, or a similar instrument. Lengths are measured similarly unless the word tape is specified. Circumferences and arcs are tape measurements.

Almost always--and the exceptions are specified--the following definitions are assumed:

1. A standing height is the vertical distance from a specified point on the body to the floor.
2. A sitting height is the vertical distance from a specified body point to either the sitting surface or the footrest surface, as is stated in the definition.
3. A torso breadth is the horizontal distance measured from a specified point on the right side of the body to the same point on the left side.
4. Limb breadths are measured across the limb from its medial to its lateral edge.
5. A torso depth is a horizontal measurement measured in a sagittal plane from the front to the rear of the body.
6. Torso circumferences are normally measured in a horizontal plane.
7. Limb circumferences are normally measured in a plane perpendicular to the long axis of the relevant limb segment.

D. Anatomical and Other Special Terms. A number of anatomical and other terms which may need clarification are underlined in this table. All these underlined terms are included in the Glossary of Anatomical and Anthropometric Terms (Appendix A). Because of the varied definitions of waist level used in these surveys, this term is underlined here and its location in the various surveys is also included in the glossary.

Table II presents the basic univariate statistics for each variable. These statistics include, from left to right in this table, the arithmetic mean, the standard deviation, the coefficient of variation (the standard deviation expressed as a percent of the mean), measures of skewness (β_1) and kurtosis (β_2), and eleven percentiles: 1st, 2nd, 5th, 10th, 25th, 50th, 75th, 90th, 95th, 98th, and 99th. These statistics were all computed using the "MSDP" computer program which is listed and described in Appendix C and are based on the same data used in the computation of the correlation matrices.

Data for two of these surveys--the WAC survey of 1946 and the Flying Personnel Survey of 1950 have been considerably "modernized"* since the

* Details are outlined in the descriptions of these surveys which accompany the correlation matrices.

reports of these surveys were prepared and the statistics provided here differ slightly from those originally published.

Because of space considerations, each survey is identified in this table by a very brief designator and the sample sizes are not listed. These designators and sample sizes are as follows:

AFW'68	Air Force Women Survey--1968	N=1905
FLY'67	USAF Flying Personnel Survey--1967	N=2420
B-T'65	USAF Basic Trainees--1965	N=2632
FLY'50	USAF Flying Personnel Survey--1950	N=4000
WAC'46	U.S. Army Female Separatees--1946	N=8118
HEXS-F	Health Examination Survey--Females	N=3581
HEX-F*	Same--Ages 25-40 Years	N=1165
HEXS-M	Health Examination Survey--Males	N=3091
HEX-M*	Same--Ages 25-40 Years	N=1012
LAW EN	Law Enforcement Survey	N=2993

For measurements included in Table II but not in the correlation matrices, the sample sizes are: AFW'68, over-foundation-garment measurements, N=1513; FLY'50, crinion measurements, N=3437, substernale height, penale height, and first phalanx length--digit III, N=2908.

The final element of this chapter, Table III--Measurement Locator, provides the sequence number of each variable in each of the surveys in which it was taken; that is, the number associated with that variable in the correlation matrices and in other publications related to these surveys. Thus, for example, the entry for bideltoid breadth:

	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
122 Bideltoid breadth	64	51	44	<u>39</u>	<u>19</u>		<u>14</u>

indicates that bideltoid breadth is variable 64 in the AFW'68 survey, 51 in the FLY'67 survey, 44 in the B-T'65 survey, 39 in the FLY'50 survey, 19 in the WAC'46 survey, 14 in the Law Enf survey and was not taken in the Health Examination Survey. The underlining of 39, 19, and 14 indicates that a name other than bideltoid breadth was used for this measurement in the FLY'50, the WAC'46, and the Law Enf surveys. From the list of alternate names which appears at the end of Table III, we find that bideltoid breadth was designated as shoulder breadth in these three surveys.

Alternate names are not listed if the difference between the two forms of the name are minor, obvious, and do not seriously affect the alphabetic order. We have dropped the words "Right" and "Left" as part of a measurement name; unilateral measurements made on the normal side--the right side for all surveys except the WAC'46--are designated simply as biceps circumference, flexed, and so forth. Unilateral measurements made on the opposite side are designated by the symbol "II", i.e., biceps circumference, flexed, II.

Breadth and diameter are considered equivalent, as are circumference and girth, arc and curvature, vertex and top of head, nose and nasal, and often the dash and the word "to".

Additional assistance in locating measurements is provided by the Index by Name, Anatomical Region and Anthropometric Technique (Appendix D). In this index, the measurements are grouped together by type of measurement, part of the body involved, and for many measurements the areas of the beginning and end points of the measurement. Thus, for example, menton-sellion length is listed under lengths, under head and face, under chin, under menton, under sellion, and under nasal root.

TABLE I

DEFINITIONS OF MEASUREMENTS*

6. Abdominal Depth, Sitting. The depth of the abdomen.
8. Abdominal Extension Circumference. The circumference of the lower torso at the level of the maximum anterior protrusion of the abdomen.
9. Abdominal Extension Circumference, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
10. Abdominal Extension Depth. The depth of the lower torso at the level of the maximum anterior protrusion of the abdomen.
14. Abdominal Extension Depth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
18. Abdominal Extension Height. The height of the maximum anterior protrusion of the abdomen.
19. Abdominal Extension Height, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
23. Acromial Height. The height of acromion.
25. Acromial Height, Sitting. The height of acromion above the sitting surface.
30. Acromion to Biceps-Circumference Level Length. The surface distance along the outer edge of the arm from acromion to the biceps circumference level.
39. Acromion-Radiale Length. The distance from acromion to radiale.
48. Age. The age, as of the previous birthday, as reported by the subject, to which 0.5 years was added.
58. Ankle Circumference. The minimum circumference of the leg just above the ankle bones.

* Underlined terms are defined in Appendix A: A Glossary of Anatomical and Anthropometric Terms.

64. Ankle Height. The height of the level of minimum circumference of the leg.
72. Anterior Neck Length. The surface distance from suprasternale, to the junction, in the midsagittal plane, of the jaw and the neck.
74. Anterior Waist Length. The surface distance from the most anterior point of the lower neck to waist level.
80. Arm Reach from Wall. The distance from the wall to the tip of the middle finger measured with the subject's shoulders against the wall, his hand and arm extended forward.
89. Axillary Arm Circumference. The circumference of the arm measured high in the armpit.
91. Axilla to Waist Length. The surface distance from the armpit to waist level.
93. Back Curvature. The tape distance across the back as measured from the point on the right side in the midaxillary plane at bustpoint level to the similar left point.
97. Ball-of-Foot Circumference. The maximum circumference of the foot measured around the distal ends of the protuberances of the metatarsal bones.
103. Biacromial Breadth. The distance across the shoulders from right to left acromion.
107. Biauricular Breadth. The distance from the lateral point of the right ear to the same point of the left ear.
111. Biceps Circumference Flexed. The maximum circumference around the biceps measured with the arm bent 90°, the upper arm horizontal, and the fist clenched.
112. Biceps Circumference Flexed, II. The previous measurement repeated on the opposite arm.
113. Biceps Circumferences Relaxed. The circumference of the arm at the level of the biceps measured with the arm hanging relaxed.
114. Biceps Circumference Relaxed, II. The previous measurement repeated on the opposite arm.
122. Bideltoid Breadth. The horizontal distance across the maximum lateral protrusions of the right and left deltoid muscles.

126. Bigonial Breadth. The breadth of the jaw across the gonial angles.
130. Biiliocristale Breadth. The breadth of the torso measured between the superior points of the ilia in the midaxillary plane.
134. Bimalleolar Breadth. The distance across the protrusions of the medial and lateral ankle bones.
138. Biocular Breadth. The distance between the outer corners of the eyes.
142. Bitracion Breadth. The breadth of the head as measured from right to left tracion.
144. Bitracion-Coronal Arc. The distance from right to left tracion measured with the tape passing over the top of the head.
146. Bitracion-Crinion Arc. The distance from right to left tracion measured with the tape passing over crinion.
150. Bitracion-Menton Arc. The distance from right to left tracion measured with the tape passing under the tip of the chin.
152. Bitracion-Minimum Frontal Arc. The distance from right to left tracion measured with the tape passing across the forehead.
154. Bitracion-Posterior Arc. The distance from right to left tracion measured with the tape passing over the base of the skull.
156. Bitracion-Submandibular Arc. The distance from right to left tracion measured with the tape passing under the gonial angles of the jaw.
158. Bitracion-Subnasale Arc. The distance from right to left tracion measured with the tape passing just below the nose.
161. Bitrochanteric Breadth. The horizontal distance between the trochanters measured with the flesh compressed.
165. Bizygomatic Breadth (Face Breadth). The breadth of the face measured across the most laterally projecting protrusions of the temporal bones.
169. Bust Depth. The horizontal distance from the subject's back to the tip of her bra.
172. Bustpoint-Bustpoint Breadth. The distance between the points of the bra.
174. Bustpoint Height. The height of the point of the bra.

178. Buttock Circumference. The circumference of the body measured at the level of the maximum posterior protuberance of the buttocks.
179. Buttock Circumference, Sitting. The circumference of the buttocks measured with the tape passing under the buttocks and brought up diagonally across the lap.
180. Buttock Circumference, Sitting, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
183. Buttock Depth. The depth of the torso at the level of the maximum posterior protrusion of the buttock.
185. Buttock Depth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
188. Buttock Height. The height of the maximum posterior protrusion of the buttock.
194. Buttock-Knee Length, Sitting. The horizontal distance from the rear-most surface of the buttocks to the front of the kneecaps.
197. Buttock-Leg Length. The distance from the base of the heel to a wall against which the subject sits erect with his leg extended maximally forward along the sitting surface.
200. Buttock-Popliteal Length, Sitting. The horizontal distance from the rearmost surface of the buttock to the back of the lower leg.
207. Calf Circumference. The maximum circumference of the lower leg.
209. Calf Circumference, II. The previous measurement repeated on the opposite leg.
215. Calf Height. The height of the level of the maximum circumference of the lower leg.
219. Cervicale Height. The height of cervicale.
223. Chest Breadth. The breadth of the torso measured at nipple level.
227. Chest Breadth (Bone). The breadth of the torso at nipple level measured with pressure.
230. Chest Circumference. The circumference of the torso measured at nipple level.
231. Chest Circumference at Scye. The circumference of the torso at the level of the armpit.

232. Chest Circumference Below Bust. The circumference of the chest just below the cups of the bra.
236. Chest Depth. The depth of the torso measured at nipple level.
237. Chest Depth at Scye. The depth of the torso measured at scye level.
241. Chest Height. The height of the center of the nipple.
245. Chin Prominence to Wall. The distance from the most anterior protrusion of the chin to wall.
249. Crotch Height. The height of the midpoint of the crotch.
252. Crotch Length. The distance from the midpoint of the anterior waist level to waist level above the right buttock measured with the tape passing through the crotch and over the maximum protrusion of the right buttock.
265. Dactylion Height. The height of the tip of the middle finger measured with the arm, hand, and fingers extended downward.
269. Deltoid Arc. The surface distance from acromion to the point, just below the deltoid, where the muscle disappears from view.
273. Dorsal Hand Skinfold. The thickness of a skinfold picked up at the middle of the back of the hand and following the long axis of the hand.
277. Ear Breadth. The breadth of the ear measured perpendicular to its long axis.
280. Ear Length. The maximum length of the ear as measured along the long axis.
282. Ear Length Above Tragion. The distance along the long axis of the ear from tragion to the level of the upper tip of the ear.
285. Ear Protrusion. The horizontal distance from the bony eminence directly behind the ear to the most lateral protrusion of the ear.
287. Ectocanthus to Otobasion. The distance from the outer corner of the eye to otobasion superior.
289. Ectocanthus to Top of Head. The distance from the outer corner of the eye to the level of the top of the head.
291. Ectocanthus to Wall. The distance from the outer corner of the eye to wall.
293. Elbow Breadth (Humeral Breadth). The distance between the medial and lateral epicondyles of the humerus measured with the flesh compressed.

297. Elbow Breadth (Humeral Breadth), II. The previous measurement repeated on the opposite elbow.
300. Elbow Circumference, Flexed. The circumference of the elbow measured over its tip and through its crotch with the arm bent 90°, the upper arm horizontal, and the fist clenched.
303. Elbow Circumference, Relaxed. The circumference of the elbow measured with the tape passing over the tip of the elbow.
309. Elbow Height. The height of radiale.
312. Elbow Rest Height, Sitting. The height of the bottom of the tip of the elbow above the sitting surface with the arm bent to 90°.
318. Elbow-Elbow Breadth. The distance across the lateral surfaces of the elbows measured with the elbows flexed and resting lightly against the body.
322. Elbow-Grip Length. The distance from the tip of the bent elbow to the center of the clenched fist.
324. Elbow-Wrist Length. The distance from the tip of the elbow to the tip of the styloid process of the radius.
328. Eye Height. The height of the inner corner of the eye.
330. Eye Height, Sitting. The height of the inner corner of the eye above the sitting surface.
334. Femoral Breadth (Knee Breadth), Sitting. The breadth, as measured with firm pressure, across the epicondyles of the femur.
336. Femoral Breadth (Knee Breadth), Sitting, II. The previous measurement repeated on the opposite knee.
340. Fibular Height. The height of the superior tip of the fibula.
344. Finger Diameter at Metacarpale III. The diameter of the middle finger as determined by the smallest hole in which the finger can be inserted.
348. First Phalanx Length--Digit III. The length of the first segment of the middle finger measured across the surfaces of the third metacarpal and the second phalanx while the hand is held in a fist.
352. Fist Circumference. The circumference of the clenched fist (the thumb lying across the end of the fist) measured with the tape passing over the thumb and the knuckles.

356. Foot Breadth (Ball-of-Foot Breadth). The maximum breadth of the foot as measured at right angles to its long axis.
362. Foot Length. The length of the foot measured parallel to its long axis.
369. Forearm Circumference, Flexed. The maximum circumference of the lower arm measured with the arm bent, the upper arm horizontal, and the fist clenched.
370. Forearm Circumference, Relaxed. The maximum circumference of the lower arm.
378. Forearm - Forearm Breadth. The distance across the tissue mass of the forearm measured with the elbows flexed and resting lightly against the body.
381. Forearm-Hand Length, Sitting. The distance from the tip of the elbow to the tip of the longest finger.
385. Forefinger Length. The distance from the skinfold at the base of the thumb to the tip of the forefinger measured along the axis of the finger and with the thumb extended away from the hand.
389. Glabella to Top of Head. The distance from the most anterior point of the forehead between the brow ridges to the level of the top of the head.
391. Glabella to Wall. The distance from the most anterior point of the forehead between the brow ridges to wall.
395. Gluteal Arc. The surface distance over the buttock from the gluteal furrow to waist level.
398. Gluteal Furrow Height. The height of the furrow where the gluteal curve intersects the back of the thigh.
402. Grip Diameter-Inside. The diameter of the widest level of a cone which the subject can grasp with his thumb and middle finger touching.
404. Grip Diameter-Outside. The distance between the joint of the first and second phalanges of the thumb and the knuckle of the middle finger measured with the hand held as for grip diameter-inside.
407. Grip Strength. Strength as measured on a Smedley dynamometer.
409. Halfway-to-Hip Circumference. The circumference of the torso at a level halfway between waist level and the level of the trochananters.

411. Hand Breadth. The breadth of the hand as measured across the distal ends of the metacarpal bones II and IV.
413. Hand Breadth Across Thumb. The breadth of the hand measured at the level of the distal end of the first metacarpal of the thumb.
416. Hand Circumference. The circumference of the hand measured around the distal ends of the metacarpal bones II and IV.
417. Hand Circumference Across Thumb. The circumference of the hand measured in a plane at right angles to the long axis of the hand, with the tape passing over the proximal joint of the thumb.
420. Hand Length. The distance from the base of the hand to the top of the middle finger measured along the long axis of the hand.
423. Hand Thickness (Thickness at Metacarpale III). The thickness of the metacarpal-phalangeal joint of the middle finger.
427. Head Breadth. The maximum horizontal breadth of the head measured above the level of the ears.
430. Head Circumference. The maximum circumference of the head measured with the tape passing above, but not including, the brow ridges.
433. Head Diagonal-Inion to Pronasale. The transverse distance from the tip of the nose to inion.
437. Head Diagonal-Maximum from Menton to Occiput. The maximum transverse distance from the tip of the chin to the back of the head.
438. Head Diagonal-Maximum from Nuchale. The maximum transverse distance from the lowest point palpable at the base of the skull to the tip of the nose.
441. Head Length. The maximum length of the head as measured from glabella to the back of the head.
445. Heel-Ankle Circumference. The distance measured around the foot with the tape passing under the tip of the heel and over the instep at the junction of the foot and leg.
450. Heel Breadth. The maximum breadth of the heel.
457. Hip Breadth. The maximum breadth of the lower torso.
459. Hip Breadth, Sitting. The breadth of the body as measured across the widest portion of the hips.

461. Hip Breadth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
465. Hip Circumference at Trochanterion. The circumference of the torso measured at the level of the trochanterions.
466. Hip Circumference 7" Below Waist. The circumference of the lower torso measured at a level 7" below waist level.
468. Hip Circumference 9" Below Waist. The circumference of the lower torso measured at a level 9" below waist level.
470. Hip Circumference 7" Below Waist Level, Over Foundation Garment. The circumference of the lower torso at a level of 7" below waist level measured with the subject wearing a foundation garment.
472. Hip Circumference 9" Below Waist Level, Over Foundation Garment. The circumference of the lower torso at a level 9" below waist level measured with the subject wearing a foundation garment.
489. Iliocristale Height. The height of the top of the ilium in the midaxillary plane.
493. Instep Circumference. The vertical circumference of the instep measured with the tape passing under the foot and over the junction of the leg and foot.
496. Instep Length. The distance from the plane of the heel to the point of maximum medial protuberance of the foot.
500. Interocular Breadth. The distance between the inner corners of the eyes.
503. Interpupillary Breadth. The distance between the centers of the pupils.
506. Interscye. The tape distance across the back between the posterior axillary folds at the lower level of the armpits measured with the subject sitting erect.
507. Interscye, Maximum. The tape distance across the back between the scye points measured with the subject sitting erect with his arms extended forward and horizontal.
508. Interscye, II. The tape distance across the back between the posterior axillary folds at the lower level of the armpits measured with the subject sitting with his hands on his knees.

509. Interscye, Maximum, II. The tape distance across the back between the scye points measured with the subject standing, torso bent forward from the waist at an angle of about 90° and arms hanging relaxed.
511. Juxt nipple Skinfold. The thickness of a skinfold picked up just superior to the nipple and parallel to the lateral margin of the pectoral muscle.
515. Knee Circumference. The circumference of the knee measured at the level of the midpoint of the patella.
517. Knee Circumference, Sitting. The maximum circumference of the right knee as measured with a tape passing over the popliteal area and brought up at 45° over the knee.
527. Knee Height. The height of the midpoint of the kneecap.
529. Knee Height, Sitting. The height, from the footrest surface, of the musculature just above the knee.
532. Knee-to-Knee Breadth, Sitting. The maximum horizontal distance across the lateral surfaces of the knees measured with the knees gently touching.
539. Larynx to Wall. The distance from the most anterior portion of the "Adam's apple" to wall.
543. Lateral Malleolus Height. The height of the most lateral projecting point of the lateral ankle bone.
547. Lip Length. The distance between the corners of the mouth measured while the facial muscles are relaxed.
549. Lip Length, Smiling. The distance between the corners of the mouth measured while the subject smiles broadly.
552. Lip Protrusion to Wall. The distance from the most anterior point of the lips to wall.
555. Lip-to-Lip Length. The distance, in the midsagittal plane, from the lower margin of the lower lip to the upper margin of the upper lip.
561. Lower Thigh Circumference. The circumference of the leg measured just above the knee.
569. Maximum Frontal Breadth. The breadth of the forehead as measured between the maximum bulges of the brow ridges at about the ends of the eyebrows.

572. Maximum Reach from Wall. The distance from the wall to the tip of the middle finger measured with the subject's back and left shoulder pressed against the wall, his right shoulder thrust as far forward as possible and his arm and hand extended horizontally.
576. Medial Calf Skinfold. The thickness of a skinfold on the medial surface of the calf at the level of the maximum circumference picked up parallel to the long axis of the lower leg, measured with the knee flexed about 90 degrees.
579. Medial Malleolus Height. The height of the most medially projecting point of the medial ankle bone.
583. Menton-Crinion Length. The distance from the bottom surface of the chin to the midpoint of the hairline. Omitted on the bald and balding.
585. Menton Projection. The distance from the most forward point of the chin to the juncture of the neck and the bottom of the jaw.
586. Menton-Sellion Length. The distance from the tip of the chin to the deepest point of the nasal root depression.
592. Menton-Subnasale Length. The distance from the lower edge of the tip of the chin to the base of the nasal septum.
595. Menton to Top of Head. The distance from the lower edge of the tip of the chin to the level of the top of the head.
597. Menton to Wall. The distance from the tip of the chin to wall.
601. Metacarpale-III Height. The height of the knuckle where the middle finger joins the palm.
606. Midaxillary-Line-at-Xiphoid Level Skinfold. The thickness of a skinfold picked up at xiphoid level in the midaxillary line.
612. Midshoulder Height, Sitting. The height above the sitting surface of the point on the shoulder halfway between the neck and acromion.
615. Midthigh Circumference. The circumference of the upper leg in a plane midway between the lowest point in the crotch and tibiale.
616. Minimum Frontal Arc. The minimum distance across the temporal crests between their points of maximum indentation.
618. Minimum Frontal Breadth. The breadth of the forehead across the lateral bony ends of the brow ridges.
622. Nasal Breadth. The maximum breadth of the nose.

625. Nasal Root Breadth. The breadth of the nasal root.
629. Nasal Root Height. The height of the deepest point in the nasal root depression.
636. Neck-Bustpoint Length. The distance from the intersection of the neck and shoulder to the tip of the bra measured with the tape held tense and not following the body contour.
637. Neck-Cervicale Length. The tape distance from cervicale to the superior point of the junction of the neck and shoulder.
638. Neck-Waist Length. The tape distance from the superior point of the junction of the neck and shoulder to waist level measured over the front of the body.
639. Neck Circumference. The maximum circumference of the neck, including the Adam's apple.
649. Nose Length. The distance from sellion to the bottom of the nose.
652. Nose Protrusion. The maximum anterior protrusion of the nose.
656. Palm Length. The distance from the base of the hand to the furrow where the middle finger folds upon the palm.
663. Patella Bottom Height. The height of the bottom edge of the kneecap.
666. Patella Top Height. The height of the top edge of the knee cap.
670. Penale Height. The height of the upper edge of the junction of the penis with the abdomen.
674. Philtrum Length. The distance from the edge of the upper membranous lip to the base of the nasal septum.
678. Popliteal Height, Sitting. The height of the underside of the upper leg above the footrest surface.
686. Posterior Neck Length. The surface distance from nuchale at the base of the skull to cervicale.
692. Pronasale to Top of Head. The distance from the tip of the nose to the level of the top of the head.
694. Pronasale to Wall. The distance from the tip of the nose to wall.
698. Radiale-Stylion Length. The distance from radiale to stylion measured parallel to the long axis of the freely hanging lower arm.

702. Sagittal Arc. The distance over the top of the head from glabella (between the brow ridges) to nuchale at the base of the skull.
- 706-731.
- Scrotale to Measurements. Tape measurements made, both sitting and standing, over the front of the body from scrotale, the midpoint of the crotch, to waist level, suprasternale, scye level and midshoulder, and over the back of the body, from scrotale to waist level, cervicale, scye level, and midshoulder. Measurements were also made with the tape passing over the buttock from scrotale to waist level and midshoulder.
735. Scye Circumference. The circumference of the scye, measured in a vertical plane, as high as possible in the armpit and passing over acromion.
739. Sellion to Top of Head. The distance from the deepest point in the nasal root depression to the level of the top of the head.
741. Sellion to Wall. The distance from the deepest point in the nasal root depression to wall.
747. Shoulder Circumference. The circumference of the shoulders measured at the level of the greatest lateral protrusions of the deltoid muscles.
751. Shoulder-Elbow Length. The vertical distance from acromion to the bottom of the elbow, measured with the elbow bent 90° and the lower arm held horizontal.
754. Shoulder Length. The surface distance from acromion at the end of the shoulder blade, to the junction of the shoulder and the neck.
758. Sitting Height. The height, from the sitting surface, to the top of the head.
760. Sitting Height, Relaxed. The height, from the sitting surface, of the head, measured with the subject sitting relaxed.
764. Sleeve Inseam. The distance from the anterior edge of the armpit to the base of the thumb.
768. Sleeve Length Segment: Spine to Elbow. The distance from the midline of the spine to the tip of the elbow, measured with the arm positioned for sleeve length.
770. Sleeve Length Segment: Spine to Scye. The distance from the midline of the spine to scye measured with the arms positioned for sleeve length.

772. Sleeve Length: Spine to Wrist. The surface distance from the midline of the spine to the ulnar styloid process measured with the arms held horizontal, the elbows bent between 60° and 90°, and the fists touching.
797. Span. The distance between the tips of right and left middle fingers when the subject's arms are maximally extended laterally.
801. Sphyrion Height. The height of sphyrion.
805. Stature. The height of the top of the head.
808. Stature as Reported. The height is given by the subject immediately prior to being measured.
811. Stature, Maximum. The height of the top of the head measured when the subject has, after taking a deep breath, maximally extended himself vertically while keeping his feet flat on the floor.
815. Stomion to Top of Head. The distance from the point of contact of the lips in the midsagittal plane to the level of the top of the head.
821. Strap Length. The distance from one bra tip to the other as measured with the tape passing over the back of the neck, the tape being held tense and not following the body contour.
825. Subnasale-Sellion Length. The distance from the base of the nasal septum to the deepest point of the nasal root depression.
827. Subnasale to Top of Head. The distance from the base of the nasal septum to the plane of the top of the head.
829. Subnasale to Wall. The distance from the base of the nasal septum to wall.
833. Subscapular Skinfold. The thickness of a skinfold picked up just below the inferior angle of the right scapula and parallel to the tension lines of the skin.
834. Subscapular Skinfold-II. The previous measurement repeated on the opposite side.
837. Substernale Height. The height of the midpoint of the lower edge of the breast bone.
840. Sum of Skinfolde. The sum of triceps and subscapular skinfold measurements.
841. Suprasternale Height. The height of the lowest point of the notch in the upper edge of the breast bone.

844. Suprailiac Skinfold. The thickness of a skinfold picked up in the mid-axillary line at the level of the crest of the ilium.
845. Suprailiac Skinfold-II. The previous measurement repeated on the opposite side.
848. Suprapatella Skinfold. The thickness of a skinfold picked up on the lower thigh above the patella.
852. Thigh Circumference. The circumference of the upper leg measured as high in the crotch as possible.
853. Thigh Circumference, Sitting. The circumference, in a plane perpendicular to the long axis of the upper leg, of the thigh as measured as high in the crotch as possible.
856. Thigh Clearance, Sitting. The height of the highest point of the thigh above the sitting surface.
859. Thigh-Thigh Breadth, Sitting. The maximum breadth across the thighs.
860. Thigh-Thigh Breadth, Sitting, Over Foundation Garment. The previous measurement repeated with subject wearing a foundation garment.
867. Thumb-Tip Reach. The distance from the wall to the tip of the thumb measured with the subject's shoulders against the wall, his arm extended forward, and his index finger touching the tip of his thumb.
869. Thumb-Tip Reach, Extended. Similar to thumb-tip reach, except that the right shoulder is extended as far as possible while keeping the left shoulder firmly against the wall.
873. Tibiale Height. The height of the proximal medial margin of the tibia.
877. Tragion Height. The height of tragion.
882. Tragion to Top of Head. The distance from tragion to the level of the top of the head.
884. Tragion to Wall. The distance from tragion to wall.
888. Triceps Skinfold. The thickness of a skinfold on the back of the arm halfway between acromion and the tip of the elbow, picked up parallel to the long axis of the upper arm.
890. Triceps Skinfold-II. The previous measurement repeated on the opposite side.

894. Trochanterion Height. The height of trochanterion.
896. Trunk Depth. The depth of the chest below the bust or that of the abdomen, whichever is the larger.
898. Trunk Height, Sitting. The height of suprasternale above the sitting surface.
911. Vertical Grip Reach. The height of a pointer held horizontally in the subject's fist when the arm is maximally extended upward.
916. Vertical Trunk Circumference. The circumference of the torso measured with the tape passing diagonally across the front of the body from the midpoint of the shoulder to the crotch, through the crotch, over the posterior protuberance of the buttock and along the small of the back.
917. Vertical Trunk Circumference, Sitting. The previous measurement repeated with the subject seated.
921. Waist Back. The surface distance, along the spine, from waist level to cervicale, to the tip of the 7th cervical vertebra.
924. Waist Breadth. The breadth of the torso at waist level.
928. Waist Breadth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
931. Waist Circumference. The circumference of the torso at waist level.
932. Waist Circumference, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
933. Waist Circumference, Sitting. The circumference of the torso at waist level.
939. Waist Depth. The depth of the torso at waist level.
943. Waist Depth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
946. Waist Front. The surface distance in the midsagittal plane from waist level to suprasternale.
949. Waist Height. The height of waist level.
951. Waist Height, Sitting. The height from the sitting surface of the waist level.

953. Waist Height, Sitting, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.
957. Weight. The nude, or essentially nude, weight (except for the HEX survey).
960. Weight as Reported. Weight as reported by the subject immediately prior to being measured.
964. Wrist Breadth. The distance between the radial and ulnar styloid processes of the wrist measured with the flesh compressed.
967. Wrist Circumference. The circumference of the wrist at a level just proximal to the ulnar styloid process.
973. Wrist Height. The height of stylion.

TABLE II-A
UNIVARIATE SUMMARY STATISTICS FOR
THE 1963 SURVEY OF AIR FORCE WOMEN

	MEAN	SD (CONV. M)	SD (COV. V)	V-I	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 AGE	23.43	6.45 (23.43)	6.45	2.09	7.20	1905	17.8	18.0	18.3	18.6	19.1	20.9	24.2	27.8	33.0	38.9
2 WEIGHT	57.73	7.52 (127.28)	16.59	13.0%	64	3.06	1905	43.5	46.5	50.1	52.5	57.1	62.2	65.2	67.4	71.1
3 TRICEPS SKINFOLD	1.90	.54 (.75)	.21	38.5%	51	3.82	1905	.8	1.1	1.2	1.3	1.5	1.9	2.2	2.5	2.9
4 SUBSCAPULAR SKINFOLD	1.59	.48 (.51)	.19	27.8%	1.35	5.30	1905	.6	.7	.8	.8	.9	1.2	1.5	1.8	2.2
5 SUPRAILIAC SKINFOLD	1.97	.70 (.78)	.28	35.6%	47	3.30	1905	.6	.9	1.1	1.2	1.4	1.9	2.4	2.7	3.2
6 MEDIAL CALF SKINFOLD	1.59	.52 (.63)	.20	32.4%	16	3.60	1905	.2	.7	1.0	1.1	1.3	1.6	1.9	2.1	2.5
7 STATURE	162.10	6.00 (63.82)	2.36	3.7%	16	2.77	1905	149.5	152.2	154.9	157.5	160.1	162.6	165.1	167.6	170.1
8 STATURE, MAXIMUM	162.75	6.02 (64.17)	2.37	3.7%	16	2.80	1905	149.5	152.2	154.9	157.5	160.1	162.6	165.1	167.6	170.1
9 CERVICALE HEIGHT	139.20	5.52 (54.80)	2.17	4.0%	14	2.78	1905	127.4	130.3	133.2	136.1	139.0	141.9	144.8	147.7	150.6
10 ACROMIAL HEIGHT	131.86	5.48 (51.91)	2.16	4.2%	14	2.78	1905	120.0	122.9	125.8	128.7	131.6	134.5	137.4	140.3	143.2
11 SUPRASTERNAL HEIGHT	132.00	5.30 (51.97)	2.09	4.0%	15	2.80	1905	120.0	122.9	125.8	128.7	131.6	134.5	137.4	140.3	143.2
12 BUST POINT HEIGHT	118.32	5.21 (46.58)	2.05	4.4%	20	3.01	1905	108.0	111.1	114.2	117.3	120.4	123.5	126.6	129.7	132.8
13 WAIST HEIGHT	100.28	4.50 (39.48)	1.77	4.5%	15	2.86	1905	98.6	93.0	94.4	95.5	97.1	100.0	103.0	106.0	109.0
14 ABDOMINAL EXT HGT	93.15	4.42 (36.67)	1.74	4.7%	15	2.89	1905	93.3	85.9	87.4	88.4	90.0	92.0	95.0	98.0	101.0
15 TROCHANTERIC HGT	82.21	4.27 (32.55)	1.68	5.2%	12	2.80	1905	73.1	75.6	77.1	78.1	79.7	82.6	85.5	87.1	88.2
16 BUTTOCK HEIGHT	82.21	4.16 (32.37)	1.64	5.1%	15	3.03	1905	73.0	75.3	76.7	77.7	79.2	82.1	85.1	86.7	87.7
17 GLUTEAL FURROW HGT	72.70	3.96 (28.02)	1.56	5.4%	15	3.01	1905	65.1	66.3	67.6	68.5	69.9	72.6	75.4	76.9	78.0
18 TIBIALE HEIGHT	41.98	2.38 (16.53)	.94	5.7%	22	3.01	1905	36.8	38.2	38.9	39.5	40.3	41.9	43.5	44.5	45.1
19 CROCK HEIGHT	74.50	4.03 (29.33)	1.59	5.4%	17	3.00	1905	65.5	68.0	69.3	70.3	71.7	74.4	77.3	78.8	79.9
20 ANKLE HEIGHT	11.19	1.35 (4.40)	.53	12.1%	43	2.96	1905	8.7	9.2	9.5	9.8	10.2	11.1	12.1	12.7	13.0
21 LAT-L MALLEOLUS HT	6.77	.59 (2.67)	.23	8.7%	04	3.23	1905	5.3	5.8	6.0	6.2	6.4	6.8	7.2	7.4	7.6
22 SITTING HT, RELAXED	84.28	3.25 (33.18)	1.28	3.9%	05	2.87	1905	77.0	80.8	80.0	82.0	84.3	86.5	87.7	88.5	89.7
23 SITTING HEIGHT	85.60	3.17 (33.70)	1.25	3.7%	08	2.85	1905	78.5	80.4	81.5	82.2	83.4	85.5	87.8	89.0	91.0
24 EYE HEIGHT, SITTING	73.70	3.06 (29.32)	1.20	4.1%	09	2.92	1905	66.7	69.8	70.5	71.6	73.7	75.8	76.9	77.7	78.9
25 MIDSHOULDER HT, SIT	58.00	2.66 (22.83)	1.05	4.6%	17	2.84	1905	56.2	53.7	54.6	55.2	56.1	57.9	58.8	60.8	61.5
26 WAIST HEIGHT, SITTING	23.37	1.73 (9.20)	.68	7.4%	-01	2.98	1905	13.2	20.5	21.1	21.5	22.2	23.4	24.5	25.2	25.6
27 ELBOW REST HEIGHT	22.71	2.46 (16.16)	.73	10.8%	08	2.82	1905	17.3	18.7	19.5	20.1	21.0	22.7	24.4	25.3	26.0
28 POPLITEAL HEIGHT	41.05	1.86 (16.56)	.73	4.5%	-03	3.70	1905	36.1	37.9	38.7	39.2	39.9	41.0	42.2	42.9	43.4
29 BUTTOCK-POPLIT L	47.71	2.76 (18.78)	1.09	5.8%	32	3.07	1905	41.9	43.4	44.2	44.8	45.7	47.5	49.5	50.6	51.4
30 BUTTOCK-KNEE LNTH	57.43	2.63 (22.61)	1.04	4.6%	12	2.83	1905	51.6	53.2	54.1	54.7	55.6	57.3	59.2	60.3	61.0
31 ACROMION-RADIALE L	31.01	1.63 (12.21)	.64	5.2%	-02	3.02	1905	27.4	28.3	28.9	29.3	29.9	31.0	32.1	32.7	33.1
32 RADIALE-STYLION L	23.39	1.37 (9.21)	.56	5.8%	14	3.03	1905	20.3	21.2	21.6	22.0	22.4	23.3	24.3	24.8	25.2
33 THUMB-TIP REACH	74.13	3.88 (29.19)	1.53	5.2%	04	2.85	1905	65.3	67.7	69.1	70.0	71.5	74.1	76.7	78.1	79.0
34 THUMB-TIP, EXTENDED	83.83	4.88 (33.01)	1.92	5.8%	20	2.85	1905	73.2	76.0	77.6	78.7	80.4	83.7	87.1	89.0	90.3
35 OVERHEAD REACH	199.23	8.56 (78.44)	3.37	4.3%	07	2.67	1905	181.0	185.5	187.9	189.9	193.3	199.9	205.5	208.8	210.4
36 NECK CIRCUMFERENCE	33.75	1.68 (13.29)	.66	5.0%	30	3.10	1905	30.2	31.1	31.6	32.0	32.6	33.7	34.8	35.5	35.9
37 SHOULDER CIRCUMFERENCE	100.41	5.14 (39.53)	2.02	5.1%	50	3.40	1905	90.4	92.6	94.0	95.1	96.8	100.0	103.0	105.5	107.1
38 CHEST CIRC AT SCYE	84.25	4.96 (33.17)	1.93	5.9%	61	3.66	1905	78.3	76.9	78.3	79.3	80.8	83.8	87.2	89.2	90.8
39 BUST CIRCUMFERENCE	89.73	5.70 (35.33)	2.24	6.4%	74	3.87	1905	78.5	81.6	83.1	84.1	85.7	89.0	93.0	95.5	97.3
40 CHEST C-BELOW BUST	74.33	4.87 (29.26)	1.92	6.5%	68	3.87	1905	68.7	67.1	68.5	69.4	70.9	73.8	77.2	79.2	80.7
41 WAIST CIRCUMFERENCE	67.20	5.48 (26.46)	2.16	8.1%	88	4.36	1905	57.4	59.5	60.8	61.8	63.3	66.5	70.3	72.6	74.4
42 ABDOMINAL EXT CIRC	85.64	7.28 (33.72)	2.87	8.5%	65	3.93	1905	71.4	74.8	76.9	78.3	80.6	85.0	89.9	92.8	95.0
43 HIP C-7"-BLW WAIST	93.64	5.59 (36.86)	2.20	6.0%	57	3.93	1905	81.8	84.9	86.7	88.0	89.8	93.2	96.9	99.1	100.7
44 HIP C-9"-BLW WAIST	95.27	6.02 (37.51)	2.37	6.3%	37	3.63	1905	82.0	85.8	87.9	89.2	91.2	95.0	98.9	101.2	103.5
45 UPPER THIGH CIRCUM	55.48	4.22 (21.84)	1.68	7.6%	32	3.42	1905	46.2	48.7	50.1	51.1	52.6	55.3	58.1	59.7	60.9
46 KNEE CIRCUMFERENCE	36.30	2.27 (14.29)	.89	6.2%	45	3.44	1905	31.5	32.7	33.4	33.9	34.7	36.1	37.7	38.6	39.3
47 CALF CIRCUM, RIGHT	34.14	2.25 (13.44)	.88	6.6%	25	3.28	1905	29.3	30.5	31.3	31.8	32.6	34.1	35.6	36.5	37.1
48 CALF CIRCUM, LEFT	34.23	2.28 (13.48)	.90	6.7%	17	3.21	1905	29.0	30.3	31.0	31.8	32.6	34.2	35.7	36.6	37.2
49 ANKLE CIRCUMFERENCE	21.09	1.29 (8.30)	.51	6.1%	26	2.95	1905	18.3	19.0	19.4	19.7	20.2	21.0	21.9	22.5	22.8
50 VERTICAL TRUNK CIR	154.43	6.87 (60.80)	2.70	4.4%	26	2.95	1905	140.0	143.3	145.6	147.7	149.9	158.9	161.1	163.3	166.4

TABLE II-A
UNIVARIATE SUMMARY STATISTICS FOR
THE 1968 SURVEY OF AIR FORCE WOMEN

	MEAN	SD	(CONV. M	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 VERTICAL TRK C, SIT	150.07	6.56	(59.38	2.58)	4.7%	.17	2.87	1905130.3139.	41.41	51.43	0.145	4.41	49.9154.	4156.9158.	5161.1166.	3			
52 BUTTOK CIRC, SIT	100.00	6.09	(39.37	2.40)	6.1%	.62	3.98	1905 87.4	90.8	92.6	93.9	95.8	99.5	103.5	107.8	110.8	118.1		
53 SCYE CIRCUMFERENCE	37.10	2.29	(14.61	.90)	6.2%	.42	3.64	1905 32.1	33.0	34.3	34.3	35.5	36.9	38.5	39.4	40.1	41.1	43.0	
54 AXILLARY ARM CIRC	27.44	2.34	(10.80	.92)	8.5%	.47	3.65	1905 22.6	23.8	24.8	25.0	25.8	27.3	28.9	29.8	30.5	31.5	33.6	
55 BICEPS C, RELAXED, R	25.61	2.29	(10.08	.90)	9.8%	.62	4.03	1905 22.0	22.1	22.8	23.3	24.0	25.4	27.0	27.9	28.6	29.7	32.0	
56 BICEPS C, FLEXED, R	26.79	2.32	(10.55	.91)	8.5%	.62	4.13	1905 22.2	23.3	23.9	24.4	25.1	26.6	28.2	29.1	29.8	30.8	33.1	
57 BICEPS C, FLEXED, L	25.66	2.41	(10.10	.95)	9.8%	.65	4.11	1905 22.8	22.0	22.7	23.2	23.9	25.4	27.1	28.0	28.8	29.9	33.6	
58 BICEPS C, FLEXED, R	26.54	2.38	(10.45	.94)	9.0%	.66	4.23	1905 21.6	23.0	23.7	24.2	24.9	26.3	27.9	28.9	29.6	30.8	33.3	
59 ELBOW CIRC, FLEXED	26.98	1.78	(10.62	.70)	6.5%	.26	3.31	1905 22.8	24.1	24.7	25.1	25.7	26.9	28.1	28.8	29.3	30.1	31.5	
60 FOREARM C, RELAXED	23.48	1.38	(9.24	.54)	5.5%	.38	3.63	1905 20.6	21.3	21.7	22.0	22.5	23.4	24.3	24.8	25.2	25.8	27.0	
61 FOREARM C, FLEXED	24.98	1.52	(9.83	.60)	6.1%	.34	3.59	1905 21.6	22.5	23.0	23.4	23.9	24.9	26.0	26.6	27.0	27.6	28.9	
62 WRIST CIRCUMFERENCE	14.96	.71	(5.89	.28)	4.8%	.26	3.14	1905 13.4	13.8	14.0	14.2	14.4	14.9	15.4	15.7	15.9	16.2	16.8	
63 BIACROMIAL BREADTH	35.84	1.64	(14.11	.65)	4.5%	.09	3.19	1905 31.9	33.2	33.8	34.2	34.7	35.0	36.9	37.5	37.9	38.6	39.8	
64 BICEPTOID BREADTH	41.87	2.31	(16.49	.91)	5.5%	.26	3.23	1905 36.6	38.2	39.0	39.5	40.3	41.8	43.3	44.2	44.9	45.9	48.0	
65 CHEST BREADTH	27.99	1.91	(11.02	.75)	6.8%	.27	3.39	1905 23.9	25.0	25.6	26.0	26.6	27.8	29.2	30.0	30.6	31.5	33.2	
66 BUST PT-BUST PT BR	18.53	1.55	(7.30	.61)	8.5%	.41	3.41	1905 15.0	16.1	16.6	17.0	17.5	18.5	19.5	20.1	20.5	21.2	22.5	
67 WAIST BREADTH	24.13	1.94	(9.50	.76)	8.0%	.53	3.54	1905 20.2	21.1	21.7	22.1	22.7	24.0	25.4	26.2	26.7	27.6	29.4	
68 HIP BREADTH	34.97	2.22	(13.77	.87)	6.3%	.39	3.43	1905 30.2	31.5	32.2	32.7	33.4	34.8	36.4	37.3	37.9	38.9	40.9	
69 THIGH-THIGH BR, SIT	38.19	2.86	(15.04	1.13)	7.5%	.42	3.36	1905 32.1	33.8	34.7	35.3	36.2	38.0	40.0	41.2	42.0	43.3	45.9	
70 HUMERAL BREADTH, R	6.13	.31	(2.41	.12)	5.0%	.15	3.28	1905 5.4	5.6	5.7	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.9	
71 HUMERAL BREADTH, L	6.10	.30	(2.40	.12)	4.3%	.08	3.20	1905 5.4	5.6	5.7	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.8	
72 FEMORAL BREADTH, R	8.12	.45	(3.20	.18)	5.6%	.09	3.23	1905 7.0	7.4	7.6	7.7	7.8	8.1	8.4	8.6	8.7	8.9	9.2	
73 FEMORAL BREADTH, L	8.14	.44	(3.20	.17)	5.4%	.10	3.21	1905 7.1	7.4	7.6	7.7	7.8	8.1	8.4	8.6	8.7	8.9	9.2	
74 CHEST DEPTH	23.64	1.93	(9.31	.76)	8.2%	.66	3.71	1905 19.8	20.8	21.3	21.7	22.2	23.4	24.8	25.6	26.2	27.2	29.1	
75 WAIST DEPTH	17.01	1.67	(6.71	.66)	9.8%	1.14	5.41	1905 13.9	14.7	15.1	15.4	15.9	16.8	17.9	18.6	19.2	20.2	22.9	
76 ABDOMINAL EXT OPTH	20.89	2.12	(8.22	.83)	10.1%	.94	5.41	1905 18.8	17.8	18.4	18.8	19.5	20.7	22.0	22.9	23.6	24.8	28.0	
77 BUTTOK DEPTH	21.15	1.79	(8.33	.70)	8.5%	.54	3.94	1905 17.3	18.4	18.9	19.3	19.9	21.0	22.2	23.0	23.5	24.4	26.2	
78 THIGH CLEARANCE	12.44	1.25	(4.90	.49)	10.1%	.20	2.86	1905 9.8	10.4	10.8	11.1	11.5	12.4	13.3	13.8	14.1	14.6	15.5	
79 SHOULDER LENGTH	14.66	1.02	(5.77	.40)	7.0%	.16	3.02	1905 12.3	13.0	13.3	13.6	13.9	14.6	15.3	15.7	16.0	16.4	17.1	
80 NECK-BUST POINT L	25.49	1.99	(10.04	.74)	7.4%	.29	3.06	1905 21.3	22.5	23.1	23.5	24.1	25.4	26.7	27.5	28.0	28.8	30.4	
81 STRAP LENGTH	65.22	3.92	(25.68	1.54)	6.0%	.31	3.17	1905 56.7	59.0	60.3	61.1	62.4	64.9	67.7	69.3	70.4	72.1	75.4	
82 INTERSCYE	35.06	2.44	(13.80	.96)	7.0%	.19	3.02	1905 28.6	31.1	31.9	32.4	33.3	34.9	36.6	37.6	38.2	39.2	41.0	
83 INTERSCYE, MAXIMUM	49.39	3.29	(19.45	1.29)	6.7%	-.05	3.15	1905 41.3	43.9	45.1	45.9	47.2	49.4	51.6	52.8	53.6	54.8	57.0	
84 BACK CURVATURE	42.15	3.05	(16.59	1.20)	7.2%	.44	3.28	1905 35.7	37.5	38.4	39.0	39.9	41.8	44.0	45.3	46.2	47.6	50.3	
85 WAIST BACK	40.51	2.22	(15.95	.87)	5.5%	.10	3.00	1905 35.4	36.9	37.6	38.2	38.9	40.4	42.0	42.8	43.4	44.3	45.9	
86 ANTERIOR WAIST LTH	33.58	1.96	(13.22	.77)	5.8%	.31	3.24	1905 28.3	30.4	31.0	31.5	32.1	33.4	34.8	35.6	36.1	37.0	38.6	
87 SLEEVE INSEAM	44.13	2.42	(17.37	.95)	5.5%	.16	3.13	1905 38.6	40.2	41.0	41.6	42.4	44.0	45.7	46.6	47.3	48.2	50.0	
88 SPINE-TO-SCYE LGTH	20.37	1.36	(8.02	.53)	6.7%	.16	3.43	1905 17.2	18.2	18.7	19.0	19.5	20.3	21.2	21.8	22.2	22.7	23.7	
89 SPINE-TO-ELBOW LTH	53.32	2.41	(20.99	.95)	4.5%	.18	3.22	1905 47.9	49.4	50.2	50.8	51.6	53.2	54.9	55.8	56.4	57.4	59.4	
90 SPINE-TO-WRIST LTH	79.58	3.32	(31.33	1.31)	4.2%	.19	3.16	1905 72.3	74.1	75.2	76.0	77.2	79.5	81.7	82.9	83.8	85.1	88.1	
91 HAND LENGTH	18.38	.96	(7.24	.38)	5.2%	.25	3.01	1905 16.3	16.9	17.2	17.4	17.7	18.3	19.0	19.4	19.7	20.1	20.8	
92 HAND BREADTH	7.55	.39	(2.97	.15)	5.2%	-.01	3.03	1905 6.7	6.9	7.0	7.1	7.3	7.6	7.8	8.0	8.1	8.2	8.5	
93 HAND CIRCUMFERENCE	18.32	.91	(7.21	.36)	5.0%	.12	2.99	1905 16.3	16.8	17.1	17.3	17.7	18.3	18.9	19.2	19.5	19.8	20.6	
94 FOOT LENGTH	24.07	1.13	(9.48	.44)	4.7%	.15	2.86	1905 21.5	22.2	22.6	22.9	23.3	24.0	24.8	25.3	25.5	26.0	26.8	
95 FOOT BREADTH	8.87	.50	(3.49	.20)	5.5%	.26	3.54	1905 7.7	8.0	8.2	8.3	8.5	8.8	9.2	9.4	9.5	9.8	10.2	
96 HEAD LENGTH	18.41	.68	(7.25	.27)	3.7%	.03	2.95	1905 16.8	17.3	17.5	17.7	17.9	18.4	18.9	19.1	19.3	19.5	20.0	
97 HEAD BREADTH	14.52	.59	(5.71	.23)	4.4%	.11	3.16	1905 13.1	13.5	13.8	13.9	14.1	14.5	14.9	15.1	15.3	15.5	15.9	
98 HEAD CIRCUMFERENCE	54.87	1.62	(21.60	.64)	6.3%	.20	3.15	1905 51.0	52.3	52.8	53.2	53.7	54.8	55.9	56.5	57.0	57.6	58.8	
99 TRAGION-TO-HEAD	12.73	.76	(5.01	.30)	6.0%	.39	3.28	1905 11.0	11.5	11.8	11.9	12.2	12.7	13.2	13.5	13.8	14.1	14.7	
100 ECTOCANTHUS-TO-PT HD	11.76	.92	(4.63	.36)	7.3%	.42	3.43	1905 9.8	10.3	10.6	10.8	11.1	11.7	12.4	12.7	13.0	13.4	14.2	

TABLE II-A
UNIVARIATE SUMMARY STATISTICS FOR
THE 1968 SURVEY OF AIR FORCE WOMEN

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	MEAN	SD (CONV. M)	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101 PRONASALE-TOP HEAD	14.76	1.17 (5.81	.46)	7.9%	.34	3.32	1905	12.3	12.9	13.3	13.6	14.0	14.7	15.5	16.0	16.3	16.8	18.0
102 SUBNASALE-TOP HEAD	15.91	1.10 (6.26	.43)	6.9%	.26	3.28	1905	13.4	14.1	14.5	14.8	15.2	15.9	16.6	17.0	17.3	17.8	18.7
103 STOMION-TOP HEAD	17.83	1.12 (7.02	.44)	6.3%	.24	3.42	1905	15.3	16.0	16.4	16.7	17.1	17.8	18.5	19.0	19.3	19.7	20.7
104 MENTON-TOP HEAD	21.91	1.14 (8.62	.45)	5.2%	.15	3.30	1905	19.2	20.0	20.5	20.7	21.1	21.9	22.7	23.1	23.4	23.8	24.7
105 TRAGION TO WALL	10.17	.90 (4.00	.35)	8.8%	.70	4.19	1905	8.3	8.8	9.1	9.3	9.6	10.1	10.7	11.1	11.3	11.8	12.9
106 ECTOCANTHUS-WALL	16.37	.97 (6.44	.38)	5.9%	.56	3.83	1905	14.3	14.9	15.2	15.4	15.7	16.3	17.0	17.4	17.7	18.1	19.1
107 PRONASALE TO WALL	21.19	.96 (8.34	.38)	4.5%	.47	3.56	1905	19.1	19.7	20.0	20.2	20.5	21.1	21.8	22.2	22.5	22.9	23.9
108 SUBNASALE TO WALL	19.66	.98 (7.74	.39)	5.0%	.53	3.76	1905	17.5	18.1	18.5	18.7	19.0	19.6	20.3	20.7	20.9	21.4	22.5
109 LIP PROTRUSION-WALL	19.30	1.06 (7.60	.42)	5.5%	.59	3.91	1905	17.1	17.7	18.0	18.2	18.6	19.2	19.9	20.4	20.7	21.2	22.3
110 MENTON TO WALL	18.23	1.14 (7.18	.45)	6.2%	.43	3.63	1905	15.7	16.4	16.8	17.1	17.4	18.2	18.9	19.4	19.7	20.2	21.2
111 SAGITTAL CURVATURE	34.79	1.49 (13.70	.59)	4.3%	.28	3.58	1905	31.4	32.4	32.9	33.3	33.8	34.7	35.7	36.3	36.7	37.3	38.8
112 BITRAGON-CORONAL	33.92	1.40 (13.36	.55)	4.1%	.14	3.13	1905	30.8	31.6	32.1	32.5	33.0	33.9	34.8	35.4	35.7	36.3	37.5
113 BIOCLAR BREADTH	9.67	.49 (3.81	.19)	5.1%	-.01	3.00	1905	8.5	8.9	9.0	9.2	9.3	9.7	10.0	10.2	10.3	10.5	10.8
114 BIAURICULAR BROT	15.83	.95 (6.23	.37)	6.0%	.10	2.82	1905	13.8	14.2	14.5	14.8	15.1	15.8	16.5	16.8	17.0	17.4	18.1
115 BITRAGON BREADTH	12.89	.50 (5.07	.20)	3.9%	.21	3.29	1905	11.8	12.1	12.3	12.4	12.5	12.9	13.2	13.4	13.5	13.7	14.2
116 BIZYGOMATIC BROT	12.90	.58 (5.08	.23)	4.5%	-.17	3.28	1905	11.4	11.9	12.1	12.3	12.5	12.9	13.3	13.5	13.6	13.8	14.2
117 BIGONIAL BREADTH	10.19	.56 (4.01	.23)	5.5%	.04	3.13	1905	8.9	9.3	9.5	9.6	9.8	10.2	10.6	10.8	10.9	11.1	11.6
118 NASAL BREADTH	3.19	.33 (1.26	.13)	10.3%	.60	4.01	1905	2.5	2.7	2.8	2.9	3.0	3.2	3.4	3.5	3.6	3.8	4.2
119 LIP LENGTH	4.38	.42 (1.72	.17)	9.8%	.20	3.04	1905	3.5	3.7	3.8	3.9	4.1	4.4	4.7	4.8	4.9	5.1	5.4
120 MENTON-SUBNASALE L	5.54	.51 (2.18	.20)	9.2%	.05	3.24	1905	4.3	4.7	4.9	5.0	5.2	5.5	5.9	6.1	6.2	6.4	6.8
121 MENTON-SELLION LTH	10.63	.61 (4.18	.24)	5.8%	.08	3.09	1905	9.2	9.6	9.8	10.0	10.2	10.6	11.0	11.3	11.4	11.7	12.1
122 SUBNASALE-SELLION	4.55	.41 (1.79	.16)	9.0%	.14	3.36	1905	3.5	3.9	4.0	4.1	4.3	4.5	4.8	5.0	5.1	5.2	5.6
123 EAR LENGTH	5.24	.44 (2.06	.17)	8.5%	-.07	3.16	1905	4.1	4.5	4.7	4.8	4.9	5.2	5.5	5.7	5.8	6.0	6.3
124 EAR BREADTH	2.98	.33 (1.17	.13)	11.2%	-.15	3.18	1905	2.1	2.4	2.5	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.7
125 GRIP STRENGTH	29.89	5.70 (11.77	2.25)	19.1%	.25	3.31	1905	18.0	21.0	22.8	24.1	26.0	29.7	33.5	35.7	37.2	39.6	44.8
139 STATURE REPORTED	164.38	6.16 (64.72	2.43)	3.7%	.16	2.69	1905	151.6154	315.6	215.7	615.9	916.4	3168.7	7171.0	172.5	517.4	7178.7	
140 WEIGHT REPORTED	56.88	7.18 (125.40	15.82)	12.6%	.66	4.01	1905	42.9	46.1	48.1	49.6	51.8	56.2	61.0	63.8	65.9	69.4	77.3

TABLE II-B
UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 AGE	30.03	6.31	(30.03	6.31)	12.0%	.76	2.70	2420	21.8	22.3	22.9	23.4	24.4	28.1	34.2	36.6	38.7	42.6	45.5
2 WEIGHT	76.74	9.72	(173.60	21.44)	12.3%	.31	3.09	2420	58.0	63.6	66.6	68.7	71.9	78.2	85.0	88.9	91.6	95.7	103.4
3 SKF SUBSCAP-R-LNGE	1.37	.53	(.54	.21)	38.3%	1.26	5.07	2420	.6	.7	.8	.9	1.0	1.2	1.6	1.9	2.1	2.4	3.1
4 SKF TRICEPS-LANGE	1.27	.51	(.50	.20)	40.2%	.57	3.04	2420	.4	.5	.6	.7	.9	1.2	1.6	1.8	2.0	2.2	2.6
5 SKF JUX-NIPPLE-LGE	1.36	.67	(.54	.26)	49.2%	.67	3.03	2420	.4	.5	.6	.6	.8	1.3	1.8	2.1	2.3	2.6	3.1
6 SKF MAL XIPH-D-LGE	1.21	.57	(.48	.22)	47.0%	.93	3.81	2420	.4	.5	.6	.6	.8	1.1	1.5	1.8	2.0	2.3	2.9
7 SKF SUPRAILLIAC-LGE	2.62	1.18	(1.03	.66)	44.9%	.29	2.50	2420	.6	.8	1.1	1.3	1.7	2.6	3.5	3.9	4.2	4.6	5.4
8 SKF SUPRAPATELLA-L	.73	.23	(.29	.09)	31.5%	.70	3.52	2420	.3	.4	.5	.5	.6	.7	.9	1.0	1.0	1.2	1.4
9 SKF SUBSCAP-R-HARP	1.39	.49	(.55	.19)	35.5%	1.30	5.35	2420	.7	.8	.9	.9	1.0	1.3	1.6	1.9	2.0	2.3	3.0
10 SKF TRICEPS-HARP-N	1.23	.43	(.48	.17)	35.2%	.56	3.15	2420	.5	.6	.7	.8	.9	1.2	1.5	1.7	1.8	2.0	2.4
11 SKF SUPRAILLIAC-HPN	2.42	1.04	(.95	.41)	42.7%	.40	2.67	2420	.6	.9	1.1	1.3	1.6	2.4	3.1	3.5	3.8	4.2	5.1
12 GRIP STRENGTH	56.38	7.60	(124.31	16.75)	13.5%	.26	3.23	2420	39.8	44.3	46.9	48.6	51.2	56.1	61.2	64.2	66.3	69.6	76.6
13 HEIGHT (STATURE)	177.34	6.19	(69.82	2.44)	3.5%	.06	2.86	2420	163.3	167.7	169.9	170.9	171.7	172.8	173.1	173.3	173.5	173.9	174.9
14 CERVICAL HEIGHT	152.06	5.82	(59.87	2.29)	3.8%	.05	2.95	2420	138.8	142.5	144.4	146.6	148.6	151.2	153.8	155.8	157.9	161.1	165.9
15 ACROMION HEIGHT	145.21	5.75	(57.17	2.27)	4.0%	.02	2.92	2420	131.8	135.7	137.7	139.9	141.4	143.5	145.9	147.5	149.1	150.8	152.4
16 RADIALE HEIGHT	112.29	4.57	(44.21	1.80)	4.1%	.05	2.93	2420	101.6	104.8	106.5	107.9	109.2	110.5	111.7	112.8	113.8	114.8	115.8
17 STYLION HEIGHT	86.58	3.94	(34.09	1.55)	4.5%	.12	2.95	2420	77.6	80.2	81.5	82.5	83.8	85.5	87.2	88.5	89.7	91.7	93.2
18 DACTYLION HEIGHT	67.18	3.51	(26.45	1.39)	5.2%	.11	2.93	2420	58.9	61.5	62.8	63.6	64.8	67.1	69.5	70.9	71.8	73.2	75.6
19 SUPRASTERNALE HGHT	145.20	5.50	(57.16	2.17)	3.8%	.07	2.91	2420	132.2	136.3	138.8	141.4	145.1	148.8	150.9	152.3	154.4	158.4	164.4
20 NIPPLE HEIGHT	129.24	5.24	(50.88	2.06)	4.1%	.08	2.91	2420	117.2	120.8	122.2	123.3	125.7	129.1	132.8	134.7	136.1	138.8	144.6
21 WAIST HT-OMPHALON	106.47	4.72	(41.92	1.86)	4.4%	.04	2.93	2420	95.6	98.7	100.0	101.3	102.6	104.9	106.1	107.1	108.1	110.7	117.6
22 ILIOCRISTALE HT	109.15	4.80	(42.97	1.89)	4.4%	.05	3.02	2420	97.9	101.4	103.3	104.6	105.9	108.0	110.2	111.4	112.5	115.7	120.5
23 BUTTOCK HEIGHT	90.11	4.39	(35.47	1.73)	4.9%	.16	3.12	2420	80.2	83.0	84.6	85.6	87.1	90.0	93.0	94.6	95.8	97.5	100.9
24 TROCHANTERION HGHT	93.96	4.35	(36.99	1.71)	4.6%	.08	3.09	2420	84.0	86.9	88.4	89.5	91.0	93.9	96.8	98.5	99.6	101.3	104.5
25 GLUTEAL FURROW HGT	81.11	4.01	(31.94	1.58)	4.9%	.10	3.10	2420	71.7	74.7	76.1	77.0	78.4	81.0	83.8	85.3	86.3	87.9	90.5
26 GROIN HEIGHT	85.07	4.15	(33.49	1.63)	4.9%	.09	3.08	2420	75.7	78.4	79.8	80.8	82.2	85.0	87.9	89.4	90.5	92.0	94.7
27 PATELLA TOP HEIGHT	52.62	2.56	(20.71	1.01)	4.9%	.10	3.05	2420	46.8	48.5	49.4	50.0	50.9	52.6	54.3	55.3	55.9	56.9	58.9
28 KNEE HEIGHT/SITT*G	49.65	2.49	(19.55	.93)	5.0%	.11	3.06	2420	44.0	45.7	46.5	47.1	47.9	49.6	51.3	52.2	52.9	53.9	55.7
29 FIBULAR HEIGHT	43.87	2.25	(17.27	.89)	5.1%	.13	3.17	2420	38.8	40.2	41.0	41.5	42.3	43.8	45.3	46.2	46.7	47.6	49.4
30 CALF HEIGHT	35.55	2.22	(14.00	.88)	6.3%	.13	2.95	2420	30.7	32.0	32.7	33.2	34.0	35.5	37.1	37.9	38.5	39.3	40.7
31 ANKLE HEIGHT	13.72	1.15	(5.40	.45)	8.4%	.36	2.96	2420	11.4	12.0	12.3	12.5	12.9	13.6	14.5	15.0	15.3	15.8	16.6
32 SITTING HEIGHT	93.18	3.18	(36.69	1.25)	3.4%	.09	2.97	2420	86.2	88.1	89.2	89.9	91.0	93.1	95.3	96.5	97.4	98.6	100.6
33 EYE HEIGHT/SITTING	80.95	3.02	(31.87	1.19)	3.7%	.13	3.06	2420	74.1	76.1	77.2	77.9	78.9	80.8	82.9	84.1	84.9	86.1	88.3
34 MIDSHOULDER HT/SIT	64.59	2.74	(25.43	1.08)	4.2%	.08	3.07	2420	58.3	60.2	61.2	61.8	62.7	64.5	66.4	67.5	68.2	69.2	71.0
35 ACROMION H*GHT/SIT	61.05	2.85	(24.04	1.12)	4.7%	.09	3.11	2420	54.4	56.5	57.5	58.1	59.1	61.0	63.0	64.1	64.8	65.9	67.7
36 ELBOW REST HGT/SIT	25.16	2.61	(9.91	.98)	10.4%	.05	3.12	2420	19.1	20.9	21.9	22.5	23.4	25.1	26.9	27.9	28.5	29.5	31.5
37 KNEE HEIGHT/SITT*G	55.76	2.49	(21.95	.98)	4.5%	.09	3.02	2420	50.1	51.7	52.6	53.2	54.1	55.7	57.4	58.3	59.0	59.9	61.9
38 POPLITEAL HGT/SIT	43.70	2.25	(17.21	.88)	5.1%	.06	3.00	2420	38.5	40.0	40.8	41.4	42.2	43.7	45.2	46.0	46.6	47.4	49.0
39 BUTTOCK-KNEE LNPTH	60.40	2.70	(23.78	1.06)	4.5%	.13	3.09	2420	54.3	56.0	57.0	57.6	58.6	60.3	62.1	63.2	63.9	65.0	67.3
40 BUTTOCK-POPLITEAL	50.37	2.58	(19.83	1.02)	5.1%	.08	3.00	2420	44.6	46.1	47.0	47.7	48.6	50.4	52.1	53.0	53.6	54.6	56.6
41 ACRM-BICEP CIR LVL	19.01	1.50	(7.48	.59)	7.9%	.05	3.02	2420	15.5	16.5	17.1	17.4	18.0	19.0	20.0	20.6	20.9	21.5	22.6
42 SHOULDER-ELBOW LTH	35.95	1.71	(14.15	.67)	4.8%	.11	2.95	2420	32.1	33.2	33.7	34.1	34.8	35.9	37.1	37.8	38.2	38.8	39.9
43 ACROMION-RADIALE L	32.95	1.70	(12.97	.67)	5.2%	.05	3.02	2420	29.1	30.2	30.8	31.2	31.8	32.9	34.1	34.7	35.1	35.8	37.0
44 ELBOW-WRIST LENGTH	29.99	1.41	(11.81	.56)	4.7%	.10	3.06	2420	26.7	27.7	28.2	28.5	29.0	30.0	30.9	31.5	31.8	32.4	33.4
45 RADIALE-STYLION LH	26.88	1.42	(10.58	.56)	5.3%	.05	2.94	2420	23.6	24.6	25.1	25.4	25.9	26.9	27.8	28.4	28.7	29.2	30.2
46 ELBOW-GRIP LENGTH	35.20	1.62	(13.86	.64)	4.6%	.11	2.96	2420	31.7	32.6	33.1	33.5	34.1	35.2	36.3	36.9	37.3	37.9	39.1
47 THUMB-TIP REACH	80.31	3.98	(31.62	1.57)	5.0%	.14	3.14	2420	71.4	73.9	75.2	76.2	77.6	80.2	82.9	84.4	85.5	87.1	90.3
48 THUMB-TIP R*CH/XTD	83.59	4.51	(35.27	1.78)	5.0%	.13	3.05	2420	79.1	82.3	83.9	84.9	86.5	89.5	92.5	94.3	95.9	97.3	100.9
49 SLEEVE INSEAM	48.54	2.56	(19.11	1.01)	5.3%	.08	3.04	2420	42.7	44.4	45.3	45.9	46.8	48.5	50.2	51.2	51.8	52.8	54.7
50 BIACROMIAL BREAOTH	40.73	1.94	(16.04	.76)	4.8%	-.07	3.19	2420	36.0	37.5	38.2	38.7	39.5	40.8	42.0	42.7	43.1	43.8	45.2

TABLE II-B
UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

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	MEAN	SD (CONV. M)	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 BIDELOID BREADTH	48.24	2.56 (18.99	1.01)	5.3%	.11	2.98	2420	42.4	44.1	45.0	45.6	46.5	48.2	50.0	50.9	51.6	52.6	54.4
52 CHEST BREADTH	32.78	2.12 (12.91	.83)	6.5%	.34	3.23	2420	28.3	29.5	30.1	30.6	31.3	32.7	34.1	35.0	35.6	36.5	38.4
53 WAIST BROTH-OMPH"	30.96	2.39 (12.19	.94)	7.7%	.33	3.60	2420	25.8	27.2	28.0	28.5	29.3	30.9	32.5	33.4	34.0	35.0	37.2
54 BICRISTALE BREADTH	27.92	2.04 (10.99	.81)	7.3%	-.12	3.49	2420	22.6	24.4	25.3	25.9	26.6	28.0	29.2	29.9	30.4	31.2	32.9
55 HIP BREADTH	35.27	1.88 (13.88	.74)	5.3%	.28	3.57	2420	31.0	32.3	32.9	33.4	34.0	35.2	36.4	37.1	37.7	38.5	40.2
56 HIP BREADTH SITTING	37.79	2.30 (14.88	.91)	6.1%	.30	3.32	2420	32.7	34.2	34.9	35.5	36.2	37.7	39.2	40.1	40.8	41.8	43.8
57 ELBOW BROTH BONE/R	7.08	.36 (2.79	.14)	5.1%	-.00	3.01	2420	6.2	6.5	6.6	6.7	6.8	7.1	7.3	7.5	7.5	7.7	7.9
58 ELBOW BROTH BONE/L	7.10	.35 (2.79	.14)	4.9%	-.00	3.04	2420	6.3	6.5	6.6	6.7	6.9	7.1	7.3	7.5	7.5	7.7	7.9
59 FARM-FARM BR"OTH	54.32	3.78 (21.39	1.49)	7.4%	.13	3.02	2420	45.9	48.2	49.5	50.4	51.7	54.3	56.9	58.3	59.2	60.7	63.5
60 KNEE BR"OTH BONE/R	9.98	.45 (3.93	.18)	4.5%	.15	3.06	2420	9.0	9.3	9.4	9.5	9.7	10.0	10.3	10.4	10.6	10.7	11.1
61 KNEE BR"OTH BONE/L	9.96	.45 (3.92	.18)	4.5%	.14	3.06	2420	9.0	9.2	9.4	9.5	9.7	9.9	10.3	10.4	10.5	10.7	11.1
62 CHEST DEPTH	24.52	1.93 (9.65	.76)	7.9%	.12	2.98	2420	20.3	21.3	22.0	22.5	23.2	24.5	25.8	26.5	27.0	27.7	29.2
63 WAIST DEPTH-OMPH"	22.31	2.18 (8.78	.86)	9.8%	.37	3.37	2420	17.8	18.9	19.6	20.1	20.8	22.2	23.7	24.5	25.2	26.1	28.1
64 BUTTOCK DEPTH	23.97	2.05 (9.44	.81)	8.6%	.19	3.13	2420	19.4	20.7	21.4	21.8	22.5	23.9	25.3	26.1	26.7	27.5	28.8
65 THIGH CLEARANCE HT	16.53	1.38 (6.51	.54)	8.3%	.13	3.02	2420	13.4	14.3	14.8	15.1	15.6	16.5	17.4	18.0	18.3	18.8	19.9
66 NECK CIRC - MAXIMUM	38.34	1.91 (15.10	.75)	5.0%	.29	3.18	2420	34.2	35.3	36.0	36.4	37.0	38.5	40.3	40.8	41.6	43.4	
67 SHOULDER CIRCUM"CE	117.69	5.82 (46.34	2.29)	4.9%	.12	3.04	2420	104.2	108.4	110.4	111.8	113.1	115.1	117.3	118.5	119.7	121.9	
68 CHEST CIRC AT SCYE	102.26	6.07 (40.26	2.39)	5.9%	.11	3.05	2420	88.7	92.5	94.6	96.0	98.1	102.2	106.3	108.5	110.1	112.5	
69 CHEST CIRCUM"ENDE	98.55	6.35 (38.80	2.50)	6.4%	.24	3.07	2420	84.7	88.6	90.7	92.1	94.2	98.3	102.7	105.1	106.8	109.4	
70 WAIST CIRC-OMPHAL"	87.60	7.38 (34.49	2.91)	8.4%	.26	3.23	2420	71.9	75.8	78.2	79.9	82.5	87.4	92.5	95.2	97.1	100.0	
71 WAIST CIRC-OMPH/SIT	87.41	7.49 (34.41	2.95)	8.6%	.29	3.32	2420	71.3	75.4	77.8	79.6	82.2	87.2	92.3	95.1	97.1	100.0	
72 BUTTOCK CIRCUM"CE	98.62	5.51 (38.83	2.17)	5.6%	.21	3.25	2420	86.5	89.7	91.6	92.9	94.9	98.5	102.2	104.4	105.7	107.9	
73 BUTTOCK CIRCUM/SIT	107.64	6.74 (42.38	2.66)	6.3%	.29	3.25	2420	93.0	97.0	99.6	100.7	102.9	106.1	110.4	114.6	116.5	119.9	
74 VERTICAL TRUNK CIRC	168.07	7.16 (66.17	2.84)	4.3%	.18	3.26	2420	151.9	156.7	159.2	160.8	163.3	167.7	172.7	175.4	177.4	180.0	
75 VERT TRUNK CIRC/SIT	161.31	6.95 (63.51	2.74)	4.3%	.15	3.06	2420	145.1	150.0	152.2	153.4	156.3	160.8	165.6	168.1	170.4	173.3	
76 SCROTAL-ANT WAIST/S	28.42	2.05 (11.19	.81)	7.2%	.27	3.12	2420	24.0	25.2	25.9	26.3	27.0	28.3	29.7	30.5	31.1	31.9	
77 SCROTAL-A WAIST/S	25.43	1.69 (10.01	.67)	6.7%	.13	2.99	2420	21.6	22.7	23.3	23.7	24.3	25.4	26.6	27.2	27.7	28.3	
78 SCRTL-SUPRASTERNLE	68.83	3.41 (27.10	1.34)	5.0%	.28	3.12	2420	61.7	63.5	64.5	65.3	66.4	68.7	71.1	72.4	73.3	74.7	
79 SCRTL-SUPRASTERNLE/S	63.56	3.00 (25.03	1.18)	4.7%	.15	3.19	2420	56.9	58.8	59.8	60.5	61.5	63.5	65.6	66.7	67.5	68.6	
80 SCRTL-ANT SCYE LVL	53.79	3.13 (21.18	1.23)	5.8%	.26	2.99	2420	47.2	48.9	49.9	50.5	51.6	53.6	55.8	57.1	57.9	59.3	
81 SCRTL-ANT SCYE L/S	48.47	2.96 (19.08	1.16)	6.1%	.10	2.96	2420	42.0	43.8	44.7	45.4	46.4	48.4	50.5	51.6	52.4	53.5	
82 SCRTL-A MIDSHOULDR	77.35	3.73 (30.45	1.47)	4.8%	.22	3.07	2420	69.3	71.4	72.6	73.5	74.7	77.2	79.8	81.2	82.2	83.7	
83 SCRTL-A MIDSHOULDR/S	72.35	3.29 (28.48	1.29)	4.5%	.07	3.13	2420	64.7	67.0	68.2	69.0	70.1	72.3	74.5	75.7	76.6	77.9	
84 SCROTAL-PST WAIST	35.34	2.92 (13.91	1.15)	8.3%	.13	3.02	2420	28.8	30.6	31.6	32.3	33.3	35.3	37.2	38.3	39.1	40.3	
85 SCRTL-WAIST OVR BK	42.61	3.01 (16.78	1.19)	7.1%	.18	3.08	2420	35.8	37.8	38.8	39.5	40.5	42.5	44.6	45.7	46.5	47.7	
86 SCROTAL-P WAIST/S	36.55	3.12 (14.39	1.23)	8.5%	.05	3.14	2420	29.2	31.4	32.6	33.4	34.5	36.5	38.6	39.7	40.5	41.7	
87 SCRTL-WAIST/BUTT/S	39.52	2.92 (15.56	1.15)	7.4%	.06	3.16	2420	32.9	34.8	35.8	36.5	37.5	39.5	41.5	42.5	43.3	44.4	
88 SCROTAL-GERVICAL	82.63	3.96 (32.53	1.56)	4.8%	.06	2.90	2420	73.8	76.1	77.5	78.5	79.9	82.6	85.3	86.8	87.8	89.2	
89 SCROTAL-GERVICAL/S	84.45	3.97 (33.25	1.56)	4.7%	.04	2.94	2420	75.4	77.8	79.3	80.3	81.7	84.4	87.1	88.6	89.5	91.0	
90 SCRTL-PST SCYE LVL	62.16	3.56 (24.47	1.40)	5.7%	.03	2.88	2420	53.8	56.3	57.6	58.4	59.7	62.1	64.6	65.9	66.8	68.1	
91 SCRTL-PST SCYE L/S	64.57	3.59 (25.42	1.41)	5.6%	.07	3.02	2420	56.4	58.8	60.0	60.9	62.1	64.5	67.0	68.3	69.2	70.6	
92 SCRTL-P MIDSHOULDR	85.33	4.06 (33.60	1.60)	4.8%	.11	2.89	2420	76.3	78.7	80.1	81.0	82.5	85.2	88.1	89.6	90.6	92.2	
93 SCRTL-P MIDSHLD OVR B	91.45	4.15 (36.00	1.64)	4.5%	.11	2.89	2420	82.4	84.7	86.1	87.1	88.6	91.4	94.2	95.8	96.8	98.4	
94 SCRTL-P MIDSHLD OVR B	87.30	4.19 (34.37	1.65)	4.8%	.08	3.01	2420	78.0	80.4	81.9	82.9	84.4	87.3	90.1	91.6	92.7	94.3	
95 SCRTL-MOSHLD O B/S	89.26	4.11 (35.14	1.62)	4.6%	.06	3.00	2420	80.0	82.6	84.0	85.0	86.4	89.2	92.0	93.6	94.6	96.2	
96 UPPER THIGH CIRCUM	58.61	4.43 (23.16	1.74)	7.5%	.11	3.17	2420	48.5	51.5	53.1	54.2	55.8	58.8	61.7	63.4	64.5	66.2	
97 UPPER THIGH C/SIT	57.87	4.27 (22.79	1.68)	7.4%	.06	3.13	2420	47.7	50.8	52.4	53.5	55.0	57.8	60.7	62.2	63.3	64.9	
98 KNEE CIRCUMFERENCE	38.68	2.07 (15.23	.82)	5.4%	.19	3.28	2420	34.0	35.4	36.1	36.6	37.3	38.6	40.0	40.8	41.4	42.2	
99 KNEE CIRCUM"CE/SIT	39.30	2.12 (15.47	.84)	5.4%	.30	3.22	2420	34.8	36.0	36.6	37.1	37.8	39.2	40.7	41.5	42.1	43.0	
100 CALF CIRCUMF/RIGHT	37.19	2.27 (14.54	.89)	6.1%	.11	3.08	2420	32.0	33.5	34.3	34.8	35.6	37.2	38.7	39.5	40.1	41.0	

TABLE II-B
UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

	MEAN	SD (CONV. M)	SD (CO/V)	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101 CALF CIRCUMF/LEFT	36.93	2.23 (14.54)	.88	6.0%	13	3.16	2420	31.9	33.3	34.6	35.4	36.9	38.4	39.2	39.7	40.6	42.6
102 ANKLE CIRCUMF/RIGHT	22.41	1.26 (8.82)	.50	5.2%	19	3.12	2420	19.7	20.4	20.8	21.1	21.6	22.4	23.2	24.1	24.6	25.6
103 SCYE CIRCUMF/RIGHT	48.36	2.79 (19.04)	1.10	5.2%	08	3.00	2420	42.0	43.8	44.8	45.5	46.5	48.4	50.2	51.2	51.9	53.0
104 BICEPS C-EXTEND/LT	30.79	2.34 (12.12)	.92	7.2%	12	3.00	2420	25.5	27.0	27.8	28.4	29.2	30.8	32.3	33.2	33.8	36.7
105 BICEPS C-EXTEND/RT	30.39	2.34 (11.97)	.92	7.2%	10	2.99	2420	25.2	26.5	27.4	27.9	28.8	30.4	32.0	32.8	33.4	36.3
106 BICEPS C-FLEXED/LT	32.74	2.26 (12.89)	.89	6.0%	12	3.05	2420	27.6	29.1	29.9	30.4	31.2	32.7	34.2	35.1	35.7	38.3
107 BICEPS C-FLEXED/RT	32.12	2.25 (12.65)	.88	7.0%	16	3.06	2420	27.1	28.5	29.3	29.8	30.6	32.1	33.6	34.4	35.0	37.9
108 ELBOW CIRC-EXTENDED	27.67	1.43 (10.89)	.56	5.2%	16	2.89	2420	24.6	25.4	25.8	26.2	26.7	27.6	28.6	29.2	29.6	31.2
109 ELBOW CIRC-FLEXED	31.24	1.75 (12.30)	.69	5.2%	18	2.98	2420	27.4	28.5	29.0	29.4	30.0	31.2	32.4	33.0	33.5	36.2
110 LOWER ARM C-EXTEND	28.16	1.46 (11.09)	.57	5.2%	10	2.93	2420	24.9	25.8	26.3	26.6	27.2	28.1	29.1	29.7	30.1	31.7
111 LOWER ARM C-FLEXED	29.77	1.58 (11.72)	.62	5.3%	17	3.06	2420	26.3	27.2	27.8	28.1	28.7	29.7	30.8	31.4	31.8	33.7
112 WRIST CIRCUMF/RIGHT	17.59	.92 (6.92)	.36	5.2%	35	3.07	2420	15.7	16.2	16.5	16.6	16.9	17.5	18.2	18.6	18.8	19.2
113 SLVE L/SPINE-SCYE	28.45	1.81 (11.20)	.71	6.2%	08	2.94	2420	24.3	25.5	26.1	26.6	27.2	28.4	29.7	30.3	30.8	31.5
114 SLVE L/SPINE-ELBOW	60.57	2.62 (23.85)	1.03	4.3%	19	3.03	2420	54.8	56.4	57.3	57.9	58.8	60.5	62.3	63.3	64.0	65.0
115 SLVE L/SPINE-WRIST	90.81	3.52 (35.75)	1.39	3.9%	14	2.98	2420	83.1	85.2	86.4	87.2	88.4	90.7	93.2	94.5	95.4	96.8
116 ANTERIOR NECK LGTH	8.43	1.68 (3.32)	.66	20.0%	-31	3.29	2420	3.9	5.5	6.2	6.7	7.4	8.5	9.6	10.1	10.5	11.1
117 POSTERIOR NECK LGTH	13.25	1.69 (5.22)	.66	12.7%	14	2.80	2420	9.5	10.6	11.1	11.5	12.1	13.2	14.4	15.1	15.5	16.1
118 SHOULDER LENGTH	16.60	1.26 (6.54)	.50	7.6%	26	3.18	2420	13.9	14.6	15.0	15.3	15.7	16.6	17.4	17.9	18.2	18.8
119 DELTOID ARC	15.91	1.33 (6.26)	.52	8.2%	47	3.48	2420	13.2	13.9	14.3	14.6	15.0	15.8	16.7	17.2	17.6	18.3
120 INTERSCYE	38.76	3.76 (15.26)	1.48	9.7%	-02	2.92	2420	29.9	32.5	33.9	34.8	36.2	38.8	41.3	42.7	43.6	45.0
121 INTERSCYE MAXIMUM	61.54	3.02 (24.23)	1.19	4.0%	-04	3.17	2420	54.0	56.6	57.8	58.5	59.6	61.5	63.5	64.6	65.4	68.7
122 WAIST FRONT-OMPH*N	40.42	2.22 (15.91)	.87	5.5%	30	3.23	2420	35.8	36.9	37.6	38.1	38.9	40.3	41.8	42.7	43.3	44.2
123 CROTCH LGTH-OMPH*N	70.61	4.43 (27.80)	1.74	6.3%	21	3.02	2420	61.1	63.6	65.0	66.0	67.5	70.4	73.5	75.2	76.4	78.2
124 WAIST BACK-OMPH*N	46.92	2.37 (18.47)	.93	5.1%	15	3.00	2420	41.6	43.1	43.9	44.5	45.3	46.8	48.5	49.4	50.0	50.9
125 FOOT LENGTH	27.03	1.19 (10.64)	.47	4.4%	15	3.09	2420	24.3	25.1	25.5	25.8	26.2	27.0	27.8	28.3	28.6	29.0
126 INSTEP LENGTH	19.79	.95 (7.79)	.37	4.8%	09	3.19	2420	17.6	18.3	18.6	18.8	19.2	19.8	20.4	20.8	21.0	21.4
127 FOOT BREADTH	9.77	.50 (3.85)	.19	5.1%	31	3.20	2420	8.7	9.0	9.1	9.3	9.4	9.7	10.1	10.3	10.4	10.6
128 BALL-OF-FOOT CIRC	24.84	1.23 (9.78)	.48	5.0%	26	3.13	2420	22.1	22.9	23.3	23.6	24.0	24.8	25.6	26.1	26.4	27.0
129 INSTEP CIRCUMF/NCE	25.69	1.21 (10.12)	.48	4.7%	33	3.24	2420	23.1	23.8	24.2	24.5	24.9	25.6	26.5	26.9	27.3	28.8
130 HEEL CIRCUMFERENCE	33.95	1.41 (13.36)	.56	4.2%	13	3.03	2420	30.8	31.7	32.1	32.5	33.0	33.9	34.9	35.4	35.8	37.3
131 BI-MALLEOLAR BROTH	7.33	.38 (2.88)	.15	5.2%	21	3.23	2420	6.5	6.7	6.9	6.9	7.1	7.3	7.6	7.7	7.8	8.0
132 LAT"L MALLEOLUS HT	7.04	.54 (2.77)	.21	7.7%	14	3.11	2420	5.8	6.2	6.4	6.5	6.7	7.0	7.4	7.6	7.7	8.0
133 MED"L MALLEOLUS HT	8.57	.57 (3.37)	.22	6.6%	03	2.89	2420	7.3	7.6	7.8	8.0	8.2	8.6	8.9	9.2	9.3	9.5
134 HAND LENGTH	19.11	.82 (7.52)	.32	4.3%	16	3.01	2420	17.3	17.8	18.1	18.3	18.5	19.1	19.7	20.0	20.2	20.5
135 PALM LENGTH	10.83	.54 (4.26)	.21	5.0%	13	2.86	2420	9.6	10.0	10.1	10.3	10.5	10.8	11.2	11.4	11.5	11.7
136 HAND BR/METACARPLE	8.90	.41 (3.50)	.16	4.7%	12	2.96	2420	8.0	8.2	8.4	8.5	8.6	8.9	9.2	9.3	9.4	9.6
137 HAND BR/THUMB	10.19	.50 (4.01)	.20	4.9%	17	3.09	2420	9.1	9.4	9.6	9.7	9.9	10.2	10.5	10.7	10.8	11.0
138 HAND C/METACARPLE	21.55	.94 (8.49)	.37	4.3%	11	2.94	2420	19.4	20.0	20.4	20.6	20.9	21.5	22.2	22.5	22.8	23.1
139 HAND C ROUND THUMB	25.75	1.08 (10.14)	.43	4.2%	17	2.91	2420	23.4	24.1	24.4	24.6	25.0	25.7	26.5	26.9	27.2	28.3
140 HAND THICK/META-3	2.77	.21 (1.09)	.08	7.6%	02	3.74	2420	2.2	2.4	2.5	2.6	2.6	2.8	2.9	3.0	3.0	3.1
141 HEAD CIRCUMFERENCE	57.52	1.83 (22.65)	.56	2.5%	12	2.91	2420	54.4	55.2	55.7	56.0	56.5	57.5	58.5	59.0	59.4	59.9
142 SAGITTAL ARC/INION	34.64	1.66 (13.64)	.65	4.8%	-02	2.85	2420	30.8	31.9	32.5	32.9	33.5	34.7	35.8	36.4	36.8	37.4
143 MINIMUM FRONTL ARC	13.60	.79 (5.35)	.31	5.8%	12	3.02	2420	11.8	12.3	12.6	12.8	13.1	13.6	14.1	14.4	14.6	14.9
144 BITRAGON-CORONAL	35.76	1.26 (14.08)	.50	3.5%	04	3.03	2420	32.8	33.7	34.1	34.5	34.9	35.8	36.6	37.1	37.4	37.8
145 BITRAGN-MIN FRNTAL	30.61	1.00 (12.13)	.39	3.2%	06	3.00	2420	28.5	29.2	29.5	29.8	30.1	30.8	31.5	31.8	32.1	32.5
146 BITRAGN-MIN SUBNASALE	29.31	1.02 (11.54)	.40	3.5%	-01	2.96	2420	27.0	27.6	28.0	28.2	28.6	29.3	30.0	30.4	30.6	31.0
147 BITRAGON-MENTON	32.65	1.24 (12.85)	.47	3.8%	01	2.79	2420	29.9	30.6	31.1	31.3	31.8	32.6	33.5	34.0	34.3	34.7
148 BIT-SUBMANDIBULAR	30.98	1.58 (12.20)	.62	5.1%	08	2.93	2420	27.4	28.4	28.9	29.3	29.9	31.0	32.0	32.6	33.0	33.6
149 BITRAGN-POSTERIOR	29.45	1.49 (11.59)	.53	5.1%	42	3.14	2420	26.4	27.2	27.6	27.9	28.4	29.3	30.4	31.0	31.5	32.1
150 HEAD LENGTH	19.87	.67 (7.82)	.27	3.4%	10	3.17	2420	18.3	18.8	19.0	19.2	19.4	19.9	20.3	20.6	20.7	21.0

TABLE II-B
UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

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	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1X	5X	10X	15X	25X	50X	75X	85X	90X	95X	99X
151 HEAD DIAGN/L MENTON	25.60	.76	(10.08	.30)	3.0X	.12	2.94	2420	23.9	24.4	24.6	24.8	25.1	25.6	26.1	26.4	26.6	26.9	27.4
152 HD DIAG/INION-NOSE	21.94	1.01	(8.64	.40)	4.6X	.20	3.12	2420	19.6	20.2	20.6	20.9	21.3	22.0	22.6	23.0	23.2	23.5	24.3
153 EAR BREADTH	3.80	.30	(1.50	.12)	7.9X	.20	3.42	2420	3.1	3.3	3.4	3.5	3.6	3.8	4.0	4.1	4.2	4.3	4.6
154 EAR LENGTH	6.60	.43	(2.60	.17)	6.5X	.15	3.41	2420	5.6	5.9	6.1	6.2	6.3	6.6	6.9	7.0	7.1	7.3	7.7
155 EAR L ABOVE TRAGION	2.94	.29	(1.16	.12)	13.0X	.34	3.32	2420	2.3	2.5	2.6	2.7	2.9	3.1	3.2	3.3	3.4	3.7	3.7
156 HEAD BREADTH	15.60	.54	(6.14	.21)	3.5X	.13	2.94	2420	14.4	14.7	14.9	15.0	15.2	15.6	16.0	16.2	16.3	16.5	16.9
157 MAXIMUM FRONTAL BR	11.60	.46	(4.57	.18)	3.9X	.03	3.36	2420	10.5	10.9	11.0	11.2	11.3	11.6	11.9	12.1	12.2	12.4	12.7
158 BITRAGION BREADTH	14.25	.56	(5.61	.22)	3.9X	.06	2.97	2420	13.0	13.4	13.5	13.7	13.9	14.2	14.6	14.8	15.0	15.2	15.6
159 BIZYGOMATIC BR"OTH	14.23	.52	(5.60	.20)	3.6X	.04	3.08	2420	13.0	13.4	13.6	13.7	13.9	14.2	14.6	14.8	14.9	15.1	15.5
160 BICONIAL BREADTH	11.73	.69	(4.62	.27)	5.9X	.12	2.93	2420	10.2	10.6	10.9	11.0	11.2	11.7	12.2	12.5	12.6	12.9	13.4
161 EAR-TO-EAR BREADTH	18.83	.81	(7.41	.32)	4.3X	.10	2.93	2420	17.0	17.5	17.8	18.0	18.3	18.8	19.4	19.7	19.9	20.2	20.8
162 BIOCULAR BREADTH	9.17	.49	(3.61	.19)	5.3X	.21	2.94	2420	8.1	8.4	8.6	8.7	8.8	9.1	9.5	9.7	9.8	10.0	10.4
163 INTERPUILLARY BRO	6.27	.36	(2.47	.14)	5.8X	.23	3.18	2420	5.5	5.7	5.8	5.9	6.0	6.3	6.5	6.6	6.7	6.9	7.2
164 INTEROCULAR BR"OTH	3.33	.28	(1.31	.11)	8.3X	.11	3.08	2420	2.7	2.9	3.0	3.0	3.1	3.3	3.5	3.6	3.7	3.8	4.0
165 NOSE BREADTH	3.94	.29	(1.39	.12)	8.3X	.11	4.02	2420	2.9	3.1	3.2	3.3	3.3	3.5	3.7	3.8	3.9	4.0	4.3
166 LIP LENGTH	5.23	.37	(2.06	.15)	7.2X	-.03	3.16	2420	4.3	4.6	4.7	4.8	5.0	5.2	5.5	5.6	5.7	5.8	6.1
167 EAR PROTRUSION	2.16	.34	(.85	.13)	15.5X	.26	2.91	2420	1.4	1.6	1.7	1.8	1.9	2.1	2.4	2.5	2.6	2.8	3.0
168 SUBNASALE-NASAL RT	5.13	.37	(2.02	.15)	7.3X	-.03	3.09	2420	4.2	4.5	4.7	4.8	4.9	5.1	5.4	5.5	5.6	5.7	6.0
169 PHILTRUM LENGTH	1.55	.28	(.61	.11)	17.8X	.16	3.03	2420	.9	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.2
170 LIP-TO-LIP LENGTH	1.73	.38	(.66	.15)	22.1X	-.21	3.50	2420	.7	1.1	1.2	1.3	1.5	1.6	2.0	2.1	2.2	2.3	2.6
171 MENTON-SUBNASALE L	6.90	.53	(2.72	.21)	7.6X	.02	2.91	2420	5.7	6.0	6.2	6.4	6.5	6.9	7.3	7.5	7.6	7.8	8.1
172 MENTON-NASAL ROOT	12.03	.61	(4.74	.24)	5.1X	.09	3.10	2420	10.7	11.0	11.3	11.4	11.6	12.0	12.4	12.7	12.8	13.0	13.5
173 GLABELLA-TO-VERTEX	9.27	.97	(3.65	.38)	10.5X	.16	3.14	2420	7.1	7.7	8.0	8.3	8.6	9.3	9.9	10.3	10.5	10.9	11.7
174 NASAL ROOT-TO-VRX	10.75	.94	(4.23	.37)	8.7X	.14	3.00	2420	8.7	9.2	9.6	9.8	10.1	10.7	11.4	11.7	12.0	12.3	13.0
175 XTRNL CANTHUS-VRX	11.95	.77	(4.71	.30)	6.4X	.11	3.01	2420	10.2	10.7	11.0	11.2	11.4	11.9	12.5	12.8	13.0	13.3	13.8
176 PRONASALE-TO-VRX	14.74	1.10	(5.80	.43)	7.5X	.16	3.04	2420	12.3	13.0	13.4	13.6	14.0	14.7	15.5	15.9	16.2	16.6	17.5
177 SUBNASALE-TO-VRX	16.79	1.02	(6.33	.40)	6.4X	.10	2.93	2420	13.8	14.4	14.8	15.0	15.4	16.1	16.8	17.2	17.4	17.8	18.5
178 STOMION-TO-VERTEX	18.37	1.00	(7.23	.39)	5.4X	.09	2.96	2420	16.1	16.7	17.1	17.3	17.7	18.3	19.0	19.4	19.7	20.0	20.7
179 MENTON-TO-VERTEX	22.77	1.02	(8.97	.40)	4.5X	-.02	2.87	2420	20.4	21.1	21.4	21.7	22.1	22.8	23.5	23.8	24.1	24.4	25.1
180 TRAGION-TO-VERTEX	13.45	.61	(5.29	.24)	4.5X	.00	3.00	2420	12.0	12.4	12.7	12.8	13.0	13.5	13.9	14.1	14.2	14.4	14.9
181 GLABELLA-TO-WALL	20.35	.67	(8.01	.27)	3.3X	.10	3.06	2420	18.8	19.3	19.5	19.7	19.9	20.3	20.8	21.1	21.2	21.5	22.0
182 NASAL ROOT-TO-WALL	20.17	.66	(7.94	.26)	3.3X	.08	3.11	2420	18.7	19.1	19.3	19.5	19.7	20.2	20.6	20.9	21.0	21.3	21.8
183 XTRNL CANTHUS-WALL	17.79	.66	(7.00	.26)	3.7X	.00	3.12	2420	16.2	16.7	17.0	17.1	17.4	17.8	18.2	18.5	18.6	18.9	19.3
184 PRONASALE-TO-WALL	22.68	.75	(8.93	.30)	3.3X	-.13	3.02	2420	20.8	21.4	21.7	21.9	22.2	22.7	23.2	23.5	23.6	23.9	24.4
185 SUBNASALE-TO-WALL	20.99	.79	(8.26	.31)	3.7X	-.10	3.00	2420	19.1	19.7	20.0	20.2	20.5	21.0	21.5	21.8	22.0	22.3	22.8
186 LIP PROMIN"CE-WALL	21.16	.86	(8.33	.34)	4.1X	-.07	2.97	2420	19.1	19.7	20.0	20.3	20.6	21.2	21.8	22.1	22.3	22.5	23.1
187 CHIN PROMINCE-WALL	20.47	1.05	(8.06	.41)	5.1X	-.06	2.96	2420	18.0	18.7	19.1	19.4	19.8	20.5	21.2	21.5	21.8	22.2	22.9
188 TRAGION-TO-WALL	10.33	.65	(4.07	.26)	6.3X	.08	3.11	2420	8.8	9.3	9.5	9.7	9.9	10.3	10.6	11.0	11.2	11.4	11.9
189 GUESSED HEIGHT	176.76	5.96	(69.59	2.35)	3.4X	.00	2.83	2420	162.8	166.8	168.8	170.5	172.1	176.8	180.8	183.0	184.5	186.7	191.1
190 GUESSED HEIGHT	78.50	8.85	(173.05	15.50)	11.3X	.16	2.75	2420	59.1	64.5	67.3	69.3	72.2	78.0	84.2	87.7	90.1	93.7	100.4

TABLE II-C
UNIVARIATE SUMMARY STATISTICS FOR
THE 1950 SURVEY OF USAF PERSONNEL

	MEAN	SD	(CONV. M	SD	CO/V	V-I	V-II	NO.	1X	5X	10X	15X	25X	50X	75X	85X	90X	95X	99X
1 WEIGHT	74.10	9.43	(163.35	20.80)	12.72	0.44	3.01	4000	50.3	52.2	54.7	57.2	62.1	74.2	85.2	89.6	91.8	94.0	108.1
2 HEIGHT (STATURE)	175.56	6.16	(69.12	2.43)	3.5%	0.01	3.10	4000	161.1	165.4	167.9	169.6	171.5	173.5	175.5	177.5	179.5	181.5	183.6
3 NASAL ROOT HEIGHT	165.00	6.03	(64.96	2.37)	3.7%	0.01	3.10	4000	150.9	155.5	157.7	159.8	161.9	164.0	166.1	168.2	170.3	172.4	174.5
4 EYE HEIGHT	164.34	6.02	(64.70	2.37)	3.7%	0.00	3.09	4000	150.1	154.4	156.6	158.7	160.8	162.9	165.0	167.1	169.2	171.3	173.4
5 TRAGION HEIGHT	162.38	6.02	(63.93	2.37)	3.7%	0.01	3.05	4000	148.8	152.9	155.0	157.1	159.2	161.3	163.4	165.5	167.6	169.7	171.8
6 CERVIKALE HEIGHT	150.11	5.81	(59.10	2.29)	3.9%	-0.02	3.04	4000	136.5	140.6	142.7	144.8	146.9	149.0	151.1	153.2	155.3	157.4	159.5
7 SHOULDER HEIGHT	143.55	5.73	(56.52	2.26)	4.0%	-0.00	3.01	4000	130.3	134.4	136.5	138.6	140.7	142.8	144.9	147.0	149.1	151.2	153.3
8 SUPRASTERNALE HT	142.97	5.53	(56.29	2.18)	3.9%	0.02	3.07	4000	130.3	134.4	136.5	138.6	140.7	142.8	144.9	147.0	149.1	151.2	153.3
9 NIPPLE HEIGHT	128.10	5.22	(50.43	2.05)	4.1%	0.02	3.01	4000	116.4	119.6	121.7	123.8	125.9	128.0	130.1	132.2	134.3	136.4	138.5
11 ELBOW HEIGHT	110.51	4.48	(43.51	1.76)	4.1%	0.02	2.96	4000	100.0	103.1	105.2	107.3	109.4	111.5	113.6	115.7	117.8	119.9	122.0
12 WAIST HEIGHT	106.77	4.56	(42.04	1.79)	4.3%	0.00	3.21	4000	95.9	99.0	101.1	103.2	105.3	107.4	109.5	111.6	113.7	115.8	117.9
14 WRIST HEIGHT	85.19	3.88	(33.54	1.53)	4.5%	0.03	2.95	4000	76.4	78.5	80.6	82.7	84.8	86.9	89.0	91.1	93.2	95.3	97.4
15 GROUCH HEIGHT	83.39	4.33	(32.83	1.71)	5.2%	0.02	3.01	4000	73.3	75.4	77.5	79.6	81.7	83.8	85.9	88.0	90.1	92.2	94.3
16 GLUTEAL FURROW HT	80.18	4.09	(31.57	1.61)	5.1%	0.06	3.05	4000	70.9	73.0	75.1	77.2	79.3	81.4	83.5	85.6	87.7	89.8	91.9
17 KNUCKLE HEIGHT	76.32	3.64	(30.05	1.43)	4.8%	0.06	2.98	4000	68.0	70.1	72.2	74.3	76.4	78.5	80.6	82.7	84.8	86.9	89.0
18 KNEECAP HEIGHT	51.34	2.58	(20.21	1.01)	5.0%	0.10	2.94	4000	45.5	47.6	49.7	51.8	53.9	56.0	58.1	60.2	62.3	64.4	66.5
19 SITTING HEIGHT	91.30	3.23	(35.95	1.27)	3.5%	-0.04	3.10	4000	83.8	85.9	88.0	90.1	92.2	94.3	96.4	98.5	100.6	102.7	104.8
20 EYE HT/SITTING	79.96	3.19	(31.48	1.25)	4.0%	-0.03	3.15	4000	72.3	74.4	76.5	78.6	80.7	82.8	84.9	87.0	89.1	91.2	93.3
21 SHOULDER HT/SITTING	59.09	2.85	(23.26	1.12)	4.8%	-0.07	2.96	4000	52.3	54.4	56.5	58.6	60.7	62.8	64.9	67.0	69.1	71.2	73.3
22 WAIST HT/SITTING	23.46	1.91	(9.24	0.75)	8.1%	-0.17	2.96	4000	18.0	19.1	20.2	21.3	22.4	23.5	24.6	25.7	26.8	27.9	29.0
23 ELBOW REST HT/SIT	23.17	2.59	(9.12	1.02)	11.2%	-0.06	3.03	4000	17.0	18.1	19.2	20.3	21.4	22.5	23.6	24.7	25.8	26.9	28.0
24 THIGH CLEARANCE HT	14.24	1.30	(5.60	0.51)	9.1%	0.02	2.83	4000	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1	21.2	22.3
25 KNEE HT/SITTING	55.04	2.48	(21.67	0.98)	4.5%	0.04	2.99	4000	49.5	51.6	53.7	55.8	57.9	60.0	62.1	64.2	66.3	68.4	70.5
26 POPLITEAL HT/SIT	43.09	1.93	(16.97	0.76)	4.5%	0.05	3.09	4000	38.7	40.8	42.9	45.0	47.1	49.2	51.3	53.4	55.5	57.6	59.7
27 BUTTOCK-KNEE LENGTH	59.99	2.67	(23.62	1.05)	4.4%	0.09	3.09	4000	53.9	56.0	58.1	60.2	62.3	64.4	66.5	68.6	70.7	72.8	74.9
28 BUTTOCK-LEG LENGTH	108.46	5.14	(42.70	2.02)	4.7%	0.14	3.12	4000	97.1	100.2	103.3	106.4	109.5	112.6	115.7	118.8	121.9	125.0	128.1
29 SHOULDER-ELBOW LTH	36.37	1.72	(14.32	0.68)	4.7%	-0.03	2.98	4000	32.5	34.6	36.7	38.8	40.9	43.0	45.1	47.2	49.3	51.4	53.5
30 FOREARM-HAND LENGTH	47.88	2.03	(18.85	0.80)	4.2%	-0.02	3.08	4000	43.2	45.3	47.4	49.5	51.6	53.7	55.8	57.9	60.0	62.1	64.2
31 SPAN	179.81	7.42	(70.79	2.92)	4.1%	-0.03	3.14	4000	162.4	167.7	173.0	178.3	183.6	188.9	194.2	199.5	204.8	210.1	215.4
32 ARM REACH FR. WALL	87.86	4.15	(34.59	1.63)	4.7%	0.05	3.07	4000	78.5	81.6	84.7	87.8	90.9	94.0	97.1	100.2	103.3	106.4	109.5
33 MAXIMUM REACH/WALL	98.01	4.73	(38.59	1.86)	4.8%	0.03	3.05	4000	87.2	90.3	93.4	96.5	99.6	102.7	105.8	108.9	112.0	115.1	118.2
34 FUNCTIONAL REACH	82.05	4.03	(32.30	1.59)	4.9%	0.10	3.01	4000	73.0	76.1	79.2	82.3	85.4	88.5	91.6	94.7	97.8	100.9	104.0
35 ELBOW-ELBOW BROT	43.90	3.55	(17.28	1.40)	8.1%	0.40	3.02	4000	36.9	39.0	41.1	43.2	45.3	47.4	49.5	51.6	53.7	55.8	57.9
36 HIP BREADTH/SITTING	35.46	2.15	(13.96	0.85)	6.1%	0.32	3.11	4000	30.9	33.0	35.1	37.2	39.3	41.4	43.5	45.6	47.7	49.8	51.9
37 KNEE-KNEE BROT/SIT	20.11	1.25	(7.92	0.49)	6.2%	0.58	3.12	4000	17.6	19.7	21.8	23.9	26.0	28.1	30.2	32.3	34.4	36.5	38.6
38 BIACROMIAL DIAMETER	40.01	1.83	(15.75	0.72)	4.6%	-0.05	3.09	4000	35.6	37.7	39.8	41.9	44.0	46.1	48.2	50.3	52.4	54.5	56.6
39 SHOULDER BREADTH	45.41	2.27	(17.88	0.90)	5.0%	0.18	3.03	4000	40.4	42.5	44.6	46.7	48.8	50.9	53.0	55.1	57.2	59.3	61.4
40 CHEST BREADTH	30.53	2.00	(12.02	0.79)	6.5%	0.33	3.19	4000	26.2	28.3	30.4	32.5	34.6	36.7	38.8	40.9	43.0	45.1	47.2
41 WAIST BREADTH	27.05	2.32	(10.65	0.91)	8.6%	0.62	3.57	4000	22.6	24.7	26.8	28.9	31.0	33.1	35.2	37.3	39.4	41.5	43.6
42 HIP BREADTH	33.47	1.76	(13.18	0.69)	5.2%	0.24	3.05	4000	29.7	31.8	33.9	36.0	38.1	40.2	42.3	44.4	46.5	48.6	50.7
43 CHEST DEPTH	23.00	1.87	(9.06	0.74)	8.1%	0.37	3.14	4000	19.2	21.3	23.4	25.5	27.6	29.7	31.8	33.9	36.0	38.1	40.2
44 WAIST DEPTH	20.16	2.16	(7.94	0.85)	10.7%	0.60	3.37	4000	16.1	18.2	20.3	22.4	24.5	26.6	28.7	30.8	32.9	35.0	37.1
45 BUTTOCK DEPTH	22.35	2.04	(8.80	0.71)	9.1%	0.26	3.24	4000	18.2	20.3	22.4	24.5	26.6	28.7	30.8	32.9	35.0	37.1	39.2
46 NECK CIRCUMFERENCE	37.96	1.80	(14.94	0.71)	4.7%	0.26	3.13	4000	34.2	36.3	38.4	40.5	42.6	44.7	46.8	48.9	51.0	53.1	55.2
47 SHOULDER CIRCUMFERENCE	114.93	5.92	(45.25	2.33)	5.2%	0.36	3.25	4000	102.4	106.5	110.6	114.7	118.8	122.9	127.0	131.1	135.2	139.3	143.4
48 CHEST CIRCUMFERENCE	98.48	6.04	(38.77	2.38)	6.1%	0.36	3.09	4000	86.1	90.2	94.3	98.4	102.5	106.6	110.7	114.8	118.9	123.0	127.1
49 WAIST CIRCUMFERENCE	81.23	7.49	(31.98	2.95)	9.2%	0.57	3.24	4000	67.4	71.5	75.6	79.7	83.8	87.9	92.0	96.1	100.2	104.3	108.4
50 BUTTOCK CIRCUMFERENCE	95.96	5.67	(37.78	2.23)	5.9%	0.31	2.96	4000	84.3	88.4	92.5	96.6	100.7	104.8	108.9	113.0	117.1	121.2	125.3

TABLE II-C
UNIVARIATE SUMMARY STATISTICS FOR
THE 1950 SURVEY OF USAF PERSONNEL

THE 1950 SURVEY OF USAF PERSONNEL																		
	MEAN	SD	(CONV. M	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 THIGH CIRCUMFERENCE	56.84	4.30	(22.38	1.69)	7.6%	0.12	2.88	4000	47.6	49.8	51.2	52.3	53.8	56.8	59.8	61.4	62.5	64.1
52 LOWER THIGH CIRC.	43.95	3.46	(17.30	1.36)	7.9%	0.11	2.94	4000	36.2	38.2	39.4	40.3	41.5	43.9	46.3	47.5	48.4	49.8
53 CALF CIRCUMFERENCE	36.53	2.37	(14.38	0.93)	6.5%	0.15	3.00	4000	31.3	32.7	33.5	34.0	34.9	36.4	38.1	39.0	39.6	40.5
54 ANKLE CIRCUMFERENCE	22.56	1.31	(8.88	0.52)	5.8%	0.24	3.27	4000	19.8	20.5	20.9	21.2	21.7	22.5	23.4	23.9	24.3	24.8
55 SCYE CIRCUMFERENCE	45.93	3.37	(18.08	1.33)	7.3%	0.36	3.26	4000	39.0	40.8	41.8	42.5	43.6	45.7	48.0	49.4	50.4	51.9
56 AXILLARY ARM CIRC.	31.74	2.62	(12.49	1.03)	8.3%	0.23	2.88	4000	26.3	27.6	28.4	29.0	29.9	31.6	33.5	34.5	35.2	36.2
57 BICEPS CIRC-FLEXED	32.41	2.56	(12.76	1.01)	7.9%	0.29	3.06	4000	27.0	28.4	29.2	29.7	30.6	32.3	34.1	35.1	35.8	36.8
58 ELBOW CIRC-FLEXED	31.05	1.93	(12.22	0.76)	6.2%	0.27	3.07	4000	27.0	28.0	28.6	29.0	29.7	31.0	32.3	33.0	33.6	34.4
59 LOWER ARM C-FLEXED	29.16	1.79	(11.48	0.71)	6.2%	0.18	2.96	4000	25.2	26.3	26.9	27.3	27.9	29.1	30.4	31.1	31.5	32.2
60 WRIST CIRCUMFERENCE	17.37	0.91	(6.84	0.36)	5.2%	0.25	3.23	4000	15.4	15.9	16.2	16.5	16.8	17.4	18.0	18.3	18.6	18.9
61 SLEEVE INSEAM	50.28	2.84	(19.79	1.12)	5.6%	0.03	3.04	4000	43.6	45.6	46.6	47.3	48.4	50.2	52.2	53.2	53.9	55.0
62 SLEEVE LENGTH	85.35	3.76	(33.60	1.48)	4.4%	0.01	3.06	4000	76.7	79.1	80.5	81.4	82.8	85.3	87.8	89.2	90.1	91.6
63 ANTERIOR NECK LGTH	8.66	1.61	(3.41	0.64)	18.6%	-0.09	3.00	4000	4.7	5.9	6.5	7.0	7.6	8.7	9.7	10.3	10.7	11.3
64 POSTERIOR NECK LGTH	9.22	1.54	(3.63	0.60)	16.7%	0.19	3.11	4000	5.9	6.7	7.3	7.6	8.2	9.2	10.2	10.8	11.2	11.8
65 SHOULDER LENGTH	17.17	1.37	(6.76	0.54)	8.0%	0.05	3.14	4000	13.9	14.9	15.4	15.8	16.3	17.2	18.1	18.6	18.9	19.4
66 WAIST BACK	44.97	2.57	(17.71	1.01)	5.7%	0.11	2.99	4000	39.1	40.8	41.7	42.3	43.2	44.9	46.7	47.7	48.3	49.3
67 WAIST FRONT	38.65	2.66	(15.22	1.05)	6.9%	0.20	3.31	4000	32.6	34.4	35.3	35.9	36.8	38.5	40.3	41.4	42.1	43.2
68 GLUTEAL ARC	29.55	1.99	(11.63	0.78)	6.7%	0.06	2.98	4000	24.8	26.3	27.0	27.5	28.2	29.5	30.9	31.6	32.2	32.9
69 CROTCH LENGTH	71.50	4.84	(28.15	1.91)	6.8%	0.20	3.17	4000	60.7	63.8	65.4	66.6	68.2	71.4	74.6	76.5	77.8	79.8
70 VERTICAL TRUNK C.	164.53	7.18	(64.78	2.83)	4.4%	0.09	2.96	4000	148.3	153.3	155.4	157.1	159.6	164.4	169.3	172.1	173.9	176.6
71 INTERSCYE	49.77	3.51	(19.59	1.38)	7.0%	0.05	3.03	4000	41.7	44.0	45.3	46.1	47.4	49.8	52.1	53.4	54.3	55.6
72 INTERSCYE-MAXIMUM	57.88	3.35	(22.79	1.32)	5.8%	0.10	3.00	4000	50.2	52.5	53.7	54.5	55.6	57.8	60.1	61.3	62.2	63.5
73 BUTTOCK CIRC/SIT.	105.88	7.01	(41.69	2.76)	6.6%	0.38	3.13	4000	91.8	95.2	97.3	98.7	101.0	105.5	110.4	113.3	115.8	120.6
74 KNEE CIRC/SITTING	39.05	2.25	(15.37	0.89)	5.8%	0.30	3.08	4000	34.3	35.5	36.2	36.7	37.5	38.9	40.5	41.4	42.0	43.0
75 FOOT LENGTH	26.68	1.15	(10.50	0.45)	4.3%	0.04	3.13	4000	24.0	24.8	25.2	25.5	25.9	26.7	27.4	27.8	28.1	28.6
76 INSTEP LENGTH	19.40	0.86	(7.64	0.34)	4.4%	0.02	3.13	4000	17.4	18.0	18.3	18.5	18.8	19.4	20.0	20.3	20.5	20.8
77 FOOT BREADTH	9.65	0.47	(3.80	0.19)	4.9%	0.14	3.01	4000	8.6	8.9	9.1	9.2	9.3	9.6	10.0	10.1	10.3	10.4
78 HEEL BREADTH	6.69	0.37	(2.64	0.15)	5.6%	0.13	3.06	4000	5.9	6.1	6.2	6.3	6.4	6.7	6.9	7.1	7.2	7.3
79 BI-MALLEOLAR BRTH	7.49	0.38	(2.95	0.15)	5.0%	0.12	2.97	4000	6.6	6.9	7.0	7.1	7.2	7.5	7.7	7.9	8.0	8.1
80 MED-L MALLEOLUS HT	8.78	0.53	(3.46	0.21)	5.0%	0.07	3.08	4000	7.6	7.9	8.1	8.2	8.4	8.8	9.1	9.3	9.5	9.7
81 LAT-L MALLEOLUS HT	6.94	0.56	(2.73	0.22)	8.1%	0.20	3.20	4000	5.7	6.0	6.2	6.4	6.6	6.9	7.3	7.5	7.6	7.9
82 BALL OF FOOT CIRC.	24.45	1.20	(9.63	0.47)	4.9%	0.12	3.10	4000	21.7	22.5	22.9	23.2	23.6	24.4	25.2	25.7	26.0	26.5
83 HAND LENGTH	19.02	0.85	(7.49	0.34)	4.5%	0.04	3.02	4000	17.1	17.6	17.9	18.1	18.4	19.0	19.6	19.9	20.1	20.4
84 PALM LENGTH	10.77	0.54	(4.24	0.21)	5.0%	0.08	2.95	4000	9.6	9.9	10.1	10.2	10.4	10.8	11.1	11.3	11.5	11.7
85 HAND BREADTH/THUMB	10.35	0.53	(4.08	0.21)	5.1%	0.07	2.95	4000	9.1	9.5	9.7	9.8	10.0	10.3	10.7	10.9	11.0	11.2
86 HAND B/METACARPAL	8.83	0.41	(3.48	0.16)	4.6%	0.10	2.85	4000	7.9	8.2	8.3	8.4	8.5	8.8	9.1	9.3	9.4	9.5
87 THICKNESS-METAL III	2.97	0.17	(1.17	0.07)	5.9%	0.07	3.44	4000	2.5	2.7	2.8	2.8	2.9	3.0	3.1	3.1	3.2	3.3
89 FINGER DIAMETER	2.13	0.12	(0.84	0.05)	5.7%	-0.10	1.95	4000	1.9	2.0	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.3
90 GRIP DIAMETER INSIDE	4.76	0.53	(1.87	0.21)	6.9%	0.11	3.71	4000	4.1	4.4	4.4	4.4	4.7	4.7	5.0	5.0	5.0	5.3
91 GRIP DIAM. OUTSIDE	10.36	0.56	(4.08	0.22)	5.4%	-0.14	3.30	4000	9.0	9.4	9.6	9.8	10.0	10.4	10.7	10.9	11.1	11.3
92 FIST CIRCUMFERENCE	29.32	1.36	(11.54	0.54)	4.6%	0.05	2.89	4000	26.1	27.1	27.6	27.9	28.4	29.3	30.2	30.8	31.1	31.6
93 HEAD LENGTH	19.70	0.64	(7.76	0.25)	3.3%	0.02	2.95	4000	18.2	18.7	18.9	19.0	19.3	19.7	20.1	20.4	20.5	20.8
94 HEAD BREADTH	15.41	0.51	(6.07	0.20)	3.3%	0.14	3.05	4000	14.3	14.6	14.8	14.9	15.1	15.4	15.7	15.9	16.1	16.3
95 MIN FRONTAL DIAMETER	11.06	0.49	(4.35	0.19)	4.4%	-0.01	3.12	4000	9.9	10.3	10.4	10.6	10.7	11.1	11.4	11.6	11.7	11.9
96 MAX FRONTAL DIAMETER	11.96	0.50	(4.71	0.20)	4.2%	0.15	3.18	4000	11.8	12.2	12.3	12.5	12.6	12.9	13.1	13.2	13.3	13.4
97 BIZYGOMATIC DIAMETER	14.09	0.50	(5.55	0.20)	3.5%	0.07	3.06	4000	12.9	13.3	13.5	13.6	13.8	14.1	14.4	14.6	14.7	14.9
98 BIGONIAL DIAMETER	10.86	0.55	(4.27	0.22)	5.1%	0.10	3.09	4000	9.6	10.0	10.2	10.3	10.5	10.8	11.2	11.4	11.6	11.8
99 BITRIGON DIAMETER	14.22	0.53	(5.60	0.21)	3.7%	0.01	3.23	4000	12.9	13.4	13.6	13.7	13.9	14.2	14.6	14.8	14.9	15.1
100 INTEROGULAR DIAMETER	3.17	0.25	(1.25	0.10)	8.0%	0.19	3.00	4000	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.5	3.6

TABLE II-C
UNIVARIATE SUMMARY STATISTICS FOR
THE 1950 SURVEY OF USAF PERSONNEL

UNAVAILABILITY SUMMARY STATISTICS FOR THE 1950 SURVEY OF USAF PERSONNEL																			**	
	MEAN	SD	(CONV. M	SD)	COV	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%	
101 BIOOCULAR DIAMETER	9.59	0.44	(3.77	0.17)	4.6%	0.01	2.90	4.000	8.6	8.9	9.0	9.1	9.3	9.6	9.9	10.0	10.1	10.3	10.6	
102 INTERPUPILLARY DIS	6.33	0.36	(2.49	0.14)	5.7%	0.22	2.89	4.000	5.6	5.8	5.9	5.9	6.1	6.3	6.6	6.7	6.8	6.9	7.2	
103 NOSE LENGTH	5.09	0.34	(2.01	0.13)	6.7%	0.08	2.95	4.000	4.3	4.5	4.7	4.7	4.9	5.1	5.3	5.5	5.5	5.7	5.9	
104 NOSE BREADTH	3.33	0.26	(1.31	0.10)	7.7%	0.16	3.21	4.000	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0	
105 NASAL ROOT BREADTH	1.55	0.21	(0.61	0.08)	13.6%	0.05	3.04	4.000	1.0	1.2	1.3	1.3	1.4	1.6	1.7	1.8	1.8	1.9	2.0	
106 NOSE PROTRUSION	2.27	0.28	(0.89	0.11)	12.5%	0.10	3.30	4.000	1.6	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.6	2.7	3.0	
107 PHILTRUM LENGTH	1.94	0.34	(0.76	0.13)	17.4%	-0.03	2.64	4.000	1.2	1.4	1.5	1.6	1.7	1.9	2.2	2.3	2.4	2.5	2.7	
108 MENTON-SUBNASALE	6.67	0.69	(2.62	0.27)	10.3%	0.11	2.71	4.000	5.2	5.6	5.8	5.9	6.2	6.7	7.1	7.4	7.6	7.8	8.3	
110 LIP-LIP DISTANCE	1.62	0.31	(0.64	0.12)	18.9%	-0.02	3.16	4.000	0.9	1.1	1.2	1.3	1.4	1.6	1.8	1.9	2.0	2.1	2.3	
111 LIP LENGTH	5.16	0.36	(2.03	0.14)	6.9%	0.16	3.22	4.000	4.4	4.6	4.7	4.8	4.9	5.1	5.4	5.5	5.6	5.8	6.0	
112 EAR LENGTH	6.27	0.41	(2.47	0.16)	6.5%	0.07	3.24	4.000	5.3	5.6	5.8	5.9	6.0	6.3	6.5	6.7	6.8	6.9	7.3	
113 EAR BREADTH	3.66	0.27	(1.44	0.11)	7.3%	0.05	2.93	4.000	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	
114 EAR LTH ABOVE TRAG	2.97	0.28	(1.17	0.11)	9.3%	-0.01	3.00	4.000	2.3	2.5	2.6	2.7	2.8	3.0	3.2	3.3	3.3	3.4	3.6	
115 EAR PROTRUSION	2.15	0.36	(0.84	0.14)	16.9%	0.43	3.37	4.000	1.4	1.6	1.7	1.8	1.9	2.1	2.4	2.5	2.6	2.8	3.1	
116 HEAD HEIGHT	12.97	0.75	(5.11	0.29)	5.8%	-0.08	2.98	4.000	11.2	11.7	12.0	12.2	12.5	13.0	13.5	13.7	13.9	14.2	14.7	
117 MENTON PROJECTION	4.76	0.66	(1.88	0.26)	13.8%	0.09	3.06	4.000	3.3	3.7	3.9	4.1	4.3	4.8	5.2	5.4	5.6	5.9	6.4	
118 EXT'L CANTHUS-WALL	17.21	0.79	(6.78	0.31)	4.6%	-0.10	3.28	4.000	15.3	15.9	16.2	16.4	16.7	17.2	17.7	18.0	18.2	18.5	19.1	
119 NASAL ROOT TO WALL	19.69	0.86	(7.75	0.34)	4.4%	0.01	2.94	4.000	17.7	18.3	18.6	18.8	19.1	19.7	20.3	20.6	20.8	21.1	21.7	
120 TRAGION TO WALL	10.23	0.75	(4.03	0.29)	7.3%	0.08	3.06	4.000	8.6	9.0	9.3	9.5	9.7	10.2	10.7	11.0	11.2	11.5	12.1	
121 LARYNX TO WALL	17.65	1.18	(6.95	0.46)	6.7%	-0.07	2.96	4.000	14.8	15.7	16.1	16.4	16.9	17.7	18.5	18.9	19.2	19.6	20.3	
122 HEAD CIRCUMFERENCE	57.03	1.53	(22.45	0.60)	2.7%	0.03	2.96	4.000	53.5	54.5	55.1	55.5	56.0	57.0	58.1	58.6	59.0	59.6	60.6	
123 SAGITTAL ARC	38.11	1.52	(15.00	0.60)	4.0%	-0.06	3.01	4.000	34.5	35.6	36.1	36.5	37.1	38.1	39.2	39.7	40.1	40.6	41.6	
124 BITRAG-CORONAL ARC	35.05	1.24	(13.80	0.49)	3.5%	0.15	2.98	4.000	32.3	33.1	33.5	33.8	34.2	35.0	35.9	36.3	36.6	37.1	38.1	
125 MINIMUM FRONTAL ARC	13.67	0.96	(5.38	0.38)	7.1%	-0.05	2.93	4.000	11.4	12.1	12.5	12.7	13.0	13.7	14.3	14.7	14.9	15.2	15.9	
126 BIT-MIN-FRONTAL ARC	30.48	1.05	(12.00	0.41)	3.4%	0.02	2.93	4.000	28.1	28.8	29.1	29.4	29.8	30.5	31.2	31.6	31.8	32.2	33.0	
128 BITRAG-MENTON ARC	32.33	1.23	(12.73	0.49)	3.8%	0.06	3.13	4.000	29.5	30.4	30.8	31.1	31.5	32.3	33.1	33.6	33.9	34.4	35.3	
129 BIT-SUBMANDIBULAR	30.62	1.54	(12.06	0.61)	5.0%	0.18	3.13	4.000	27.2	28.1	28.7	29.0	29.6	30.6	31.6	32.2	32.6	33.2	34.5	
130 BIT-SUBNASALE ARC	28.98	1.07	(11.41	0.42)	3.7%	0.08	3.00	4.000	26.6	27.3	27.6	27.9	28.3	29.0	29.7	30.1	30.4	30.8	31.5	
131 POSTERIOR ARC	27.09	1.17	(10.66	0.46)	4.3%	0.21	3.17	4.000	24.5	25.2	25.6	25.9	26.3	27.1	27.8	28.3	28.6	29.1	30.0	
132 BITRAG-INION ARC	29.37	1.34	(11.56	0.53)	4.6%	0.27	2.93	4.000	26.6	27.3	27.7	28.0	28.4	29.3	30.3	30.8	31.2	31.7	32.7	
133 AGE	27.89	4.22	(27.89	4.22)	15.1%	0.40	3.39	4.000	20.0	21.1	21.9	22.9	24.5	27.5	30.5	32.2	33.2	34.5	37.4	

TABLE II-0
UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

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	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 BITROCHANTERC/BONE	31.75	1.75	(12.50	.69)	5.5%	34	3.43	2527	27.9	29.0	29.6	30.0	30.5	31.7	32.8	33.5	34.0	34.8	36.4
52 ELBOW BREADTH	7.20	.44	(2.83	.17)	6.0%	10	3.18	2527	6.2	6.5	6.6	6.7	6.9	7.2	7.5	7.7	7.8	7.9	8.3
53 MAX F*ARM-F*ARM BR	47.70	4.80	(18.78	1.89)	10.1%	52	3.03	2527	38.6	40.7	41.9	42.8	44.1	47.2	50.8	52.9	54.4	56.5	60.3
54 WRIST BREADTH	5.69	.32	(2.24	.13)	5.7%	10	3.02	2527	5.0	5.2	5.3	5.4	5.5	5.7	5.9	6.0	6.1	6.2	6.5
55 KNEE BREADTH	9.63	.49	(3.79	.19)	5.1%	33	3.38	2527	8.6	8.9	9.0	9.1	9.3	9.6	10.0	10.1	10.3	10.5	10.9
56 KNEE-KNEE BR SIT	21.35	1.82	(8.41	.72)	8.5%	93	4.16	2527	18.1	18.9	19.3	19.6	20.1	21.1	22.4	23.2	23.8	24.8	27.0
57 CHEST DEPTH	21.91	2.10	(8.63	.82)	9.6%	60	3.72	2527	17.9	18.8	19.4	19.8	20.4	21.7	23.2	24.0	24.7	25.7	27.9
58 WAIST DEPTH (OMP)	20.58	2.21	(8.10	.87)	10.8%	102	4.68	2527	16.5	17.6	18.1	18.5	19.0	20.2	21.8	22.8	23.5	24.8	27.5
59 ABDOMINAL DPTH/SIT	22.34	2.18	(8.80	.86)	9.8%	138	6.00	2527	18.4	19.5	20.0	20.3	20.8	21.9	23.3	24.3	25.1	26.5	30.0
60 BUTTOCK DEPTH	22.95	2.09	(9.03	.82)	9.1%	77	3.64	2527	18.9	20.1	20.6	20.9	21.4	22.6	24.1	25.1	25.8	27.0	29.2
61 THIGH CLEAR HT SIT	15.03	1.36	(5.92	.53)	9.0%	46	3.23	2527	12.2	13.0	13.4	13.7	14.1	14.9	15.9	16.5	16.9	17.5	18.6
62 NECK CIRC MAXIMUM	36.25	1.95	(14.27	.77)	5.4%	54	3.60	2527	32.4	33.3	33.9	34.3	34.9	36.1	37.4	38.2	38.8	39.7	41.7
63 SHOULDER CIRC	111.08	6.26	(43.73	2.47)	5.6%	44	3.38	2527	98.4	101.6	103.5	104.8	106.7	110.6	115.0	117.5	119.4	122.3	128.7
64 CHEST CIRCUMF*ENCE	91.77	6.53	(36.13	2.57)	7.1%	68	3.92	2527	78.8	82.2	84.0	85.2	87.1	91.0	95.6	98.4	100.5	103.8	110.7
65 WAIST CIRC (OMPH)	77.96	7.47	(30.69	2.94)	9.6%	110	4.48	2527	65.1	68.6	70.0	71.0	72.5	76.4	81.9	85.6	88.4	92.7	101.2
66 BUTTOCK CIRC	92.03	6.07	(36.23	2.39)	6.6%	82	3.82	2527	80.3	83.8	85.3	86.3	87.7	91.0	95.5	98.3	100.4	103.8	110.3
67 BUTTOCK CIRC/SIT	100.49	7.60	(39.56	2.99)	7.6%	84	3.86	2527	86.4	90.2	91.9	93.1	95.0	99.3	104.8	108.3	111.0	115.5	124.0
68 VERTICAL TRUNK CIRC	161.15	7.36	(63.45	2.90)	4.6%	27	3.27	2527	144.9	151.9	153.5	156.6	160.9	165.8	168.6	170.7	173.5	180.6	
69 VERT TRUNK CIRC SIT	154.29	7.06	(60.74	2.78)	4.6%	15	3.14	2527	138.1	144.2	145.8	149.5	154.1	158.9	161.5	163.4	166.3	171.8	
70 UPPER THIGH CIRC	54.09	5.03	(21.29	1.98)	9.3%	65	3.30	2527	44.6	47.1	48.3	49.1	50.4	53.4	57.1	59.5	61.1	63.6	68.1
71 THIGH CIRC SITTING	53.83	4.97	(21.19	1.96)	9.2%	73	3.46	2527	44.7	47.0	48.1	48.9	50.2	53.1	56.8	59.1	60.8	63.3	68.2
72 LOWER THIGH CIRC	41.27	3.66	(16.25	1.44)	8.3%	57	3.32	2527	34.1	36.0	36.9	37.6	38.6	40.8	43.5	45.2	46.3	48.1	51.5
73 KNEE CIRCUMFERENCE	37.41	2.21	(14.73	.87)	5.9%	62	3.79	2527	33.1	34.2	34.8	35.2	35.9	37.2	38.7	39.6	40.3	41.4	43.9
74 KNEE CIRC SITTING	38.12	2.37	(15.01	.93)	6.2%	69	3.91	2527	33.5	34.7	35.3	35.8	36.5	37.9	39.5	40.5	41.2	42.4	45.9
75 CALF CIRCUMFERENCE	36.16	2.65	(14.23	1.04)	7.3%	42	3.33	2527	30.8	32.1	32.9	33.4	34.3	36.0	37.8	38.9	39.7	40.9	43.5
76 ANKLE CIRCUMF*ENCE	22.01	1.43	(8.94	.56)	6.3%	31	3.20	2527	19.7	20.4	20.9	21.2	21.7	23.6	24.6	25.2	26.5	28.6	
77 SCYE CIRCUMFERENCE	42.03	2.47	(16.55	.97)	5.9%	35	3.38	2527	36.8	38.2	39.0	39.5	40.3	41.9	43.6	44.6	45.3	46.4	48.6
78 BICEPS CIRC EXT	27.26	2.56	(10.73	1.01)	9.4%	52	3.22	2527	22.2	23.5	24.2	24.7	25.4	27.0	28.9	30.0	30.8	32.0	34.0
79 BICEPS CIRC FLEXED	30.39	2.72	(11.96	1.07)	9.0%	36	2.98	2527	24.7	26.2	27.0	27.6	28.4	30.2	32.1	33.3	34.1	35.3	37.4
80 ELBOW CIRC EXT	25.74	1.59	(10.14	.63)	6.2%	25	3.19	2527	22.2	23.3	23.8	24.1	24.7	25.7	26.8	27.4	27.9	28.5	29.9
81 ELBOW CIRC FLEXED	30.74	2.02	(12.10	.80)	6.6%	24	3.15	2527	26.3	27.6	28.2	28.7	29.4	30.7	32.1	32.8	33.4	34.2	35.8
82 FOREARM CIRC EXT	26.55	1.63	(10.45	.64)	6.1%	31	3.09	2527	23.1	24.0	24.5	24.9	25.4	26.5	27.6	28.3	28.7	29.4	30.8
83 FOREARM CIRC FLEXED	28.42	1.93	(11.19	.76)	6.8%	26	3.02	2527	24.3	25.3	25.9	26.4	27.0	28.4	29.7	30.4	30.9	31.7	33.2
84 WRIST CIRCUMF*ENCE	17.14	.85	(6.75	.33)	4.9%	26	3.37	2527	15.2	15.8	16.1	16.3	16.6	17.1	17.7	18.0	18.2	18.6	19.4
85 SL SPINE/SCYE	23.41	1.59	(9.22	.63)	6.8%	15	3.21	2527	19.8	20.8	21.4	21.8	22.3	23.4	24.4	25.0	25.4	26.1	27.4
86 SL SPINE-ELBOW	58.69	2.72	(23.10	1.07)	4.6%	-02	2.98	2527	52.5	54.1	55.1	55.8	56.8	58.7	60.6	61.5	62.2	63.2	65.2
87 SL SPINE-WRIST	88.12	3.80	(34.69	1.50)	4.3%	10	2.92	2527	79.4	81.7	83.1	84.1	85.5	88.1	90.7	92.1	93.0	94.4	97.2
88 ANTERIOR NECK LGTH	9.51	1.46	(3.74	.57)	15.4%	12	3.02	2527	6.2	7.1	7.6	8.0	8.5	9.5	10.5	11.1	11.4	12.0	13.1
89 POSTERIOR NECK LGTH	10.14	1.47	(3.99	.58)	14.5%	23	3.04	2527	6.8	7.8	8.3	8.6	9.1	10.1	11.1	11.7	12.1	12.7	13.9
90 SHOULDER LENGTH	17.76	1.60	(6.99	.63)	9.0%	-33	3.04	2527	13.7	14.9	15.6	16.1	16.7	17.9	18.9	19.4	19.7	20.2	21.2
91 DELTOID ARC	15.75	1.19	(6.20	.47)	7.6%	27	3.41	2527	13.0	13.8	14.3	14.5	14.9	15.7	16.5	17.0	17.3	17.8	18.7
92 INTERSCYE	37.30	2.91	(14.68	1.14)	7.8%	29	3.24	2527	31.0	32.7	33.7	34.3	35.3	37.2	39.2	40.3	41.1	42.3	44.8
93 INTERSCYE MAXIMUM	52.22	3.36	(20.56	1.32)	6.4%	20	3.10	2527	44.7	46.7	47.9	48.7	49.9	52.1	54.4	55.6	56.5	57.9	60.9
94 WAIST FRONT	38.32	2.14	(15.09	.84)	5.6%	30	3.37	2527	33.6	34.9	35.6	36.1	36.8	38.2	39.7	40.5	41.1	42.1	44.0
95 CROTCH LENGTH	66.71	4.30	(26.26	1.69)	6.5%	50	3.53	2527	58.0	60.2	61.5	62.4	63.8	66.4	69.3	71.0	72.3	74.3	79.1
96 WAIST BACK	45.48	2.67	(17.90	1.05)	5.9%	06	3.18	2527	39.3	41.1	42.1	42.7	43.7	45.5	47.3	48.3	49.0	50.0	52.1
97 FOOT LENGTH	26.78	1.29	(10.54	.51)	4.8%	06	3.08	2527	23.8	24.7	25.1	25.4	25.9	26.8	27.7	28.1	28.5	28.9	29.9
98 BALL-OF-FOOT LENGTH	19.41	1.00	(7.64	.39)	5.2%	09	3.11	2527	17.0	17.8	18.1	18.4	19.4	20.1	20.4	20.7	21.1	21.8	
99 BALL-OF-FOOT BROTH	9.83	.55	(3.87	.22)	5.6%	19	2.99	2527	8.6	9.0	9.1	9.3	9.5	9.8	10.2	10.4	10.6	10.8	11.2
100 BI-MALLEOLAR BROTH	7.44	.39	(2.93	.15)	5.3%	14	3.05	2527	6.5	6.8	6.9	7.0	7.2	7.4	7.7	7.9	8.0	8.1	8.4

TABLE II-0
UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

	MEAN	SD	(CONV. M	SDI	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101 BALL-OF-FOOT GIRTH	25.34	1.27	(9.98	.50	5.0%	.14	3.04	2527	22.4	23.3	23.7	24.0	24.5	25.3	26.2	26.7	27.0	27.5	28.5
102 INSTEP CIRCUMFERENCE	27.31	1.37	(10.75	.54	5.0%	.22	3.21	2527	24.2	25.1	25.6	25.9	26.4	27.3	28.2	28.7	29.1	29.6	30.8
103 HEEL-ANKLE CIRCUMF	34.22	1.56	(13.47	.61	4.6%	.12	3.07	2527	30.6	31.7	32.2	32.6	33.1	34.2	35.2	35.8	36.3	36.9	38.0
104 HAND LENGTH	19.68	1.01	(7.75	.40	5.1%	.13	3.24	2527	17.4	18.0	18.4	18.6	19.0	19.7	20.3	20.7	21.0	21.4	22.3
105 PALM LENGTH	11.54	.69	(4.54	.27	6.0%	.10	3.12	2527	10.0	10.4	10.7	10.8	11.1	11.5	12.0	12.2	12.4	12.7	13.3
106 HAND BREADTH/META	8.86	.48	(3.49	.19	5.5%	.05	2.94	2527	7.7	8.1	8.2	8.3	8.5	8.9	9.2	9.4	9.5	9.7	10.0
107 HAND CIRC/META	21.45	1.03	(8.44	.41	4.8%	.11	3.16	2527	19.2	19.7	20.1	20.4	20.7	21.4	22.1	22.5	22.8	23.2	24.0
108 HAND CIRC/THUMB	25.12	1.24	(9.89	.49	4.9%	.06	2.95	2527	22.2	23.1	23.5	23.8	24.3	25.1	26.0	26.4	26.7	27.2	28.1
109 THICKNESS META/III	2.96	.21	(1.17	.08	7.2%	.12	2.85	2527	2.5	2.6	2.7	2.7	2.8	3.0	3.1	3.2	3.2	3.3	3.5
110 FINGER DIAM III	2.16	.12	(.85	.05	5.7%	.11	2.91	2527	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.3	2.4	2.5
111 HEAD CIRCUMFERENCE	55.88	1.57	(22.00	.62	2.8%	.11	3.02	2527	52.5	53.4	53.9	54.3	54.8	55.9	57.0	57.6	58.0	58.6	59.8
112 SAGITTAL ARC	37.52	1.45	(14.77	.57	3.9%	.16	3.05	2527	34.4	35.1	35.6	36.0	36.5	37.5	38.5	39.0	39.4	40.0	41.2
113 MINIMUM FRONTAL ARC	11.84	.86	(4.66	.34	7.3%	.09	3.27	2527	10.1	10.6	10.8	11.0	11.2	11.8	12.4	12.8	13.0	13.4	14.2
114 BIT-CORONAL ARC	34.86	1.34	(13.72	.53	3.8%	.05	3.14	2527	31.8	32.7	33.2	33.5	34.0	34.9	35.8	36.3	36.7	37.2	38.2
115 BIT-MIN FRONTAL A	30.36	1.09	(11.95	.43	3.6%	.10	3.07	2527	27.8	28.6	29.0	29.2	29.6	30.4	31.1	31.5	31.8	32.2	33.1
116 BIT-SUBNASALE ARC	28.54	1.14	(11.23	.45	4.0%	.22	3.12	2527	26.1	26.7	27.1	27.3	27.7	28.5	29.3	29.7	30.0	30.5	31.5
117 BIT-MENTON ARC	34.08	1.37	(12.23	.54	4.4%	.15	2.98	2527	27.9	28.9	29.4	29.7	30.1	31.0	32.0	32.5	32.9	33.4	34.5
118 BIT-SUBMANDIB ARC	28.77	1.45	(11.33	.57	5.0%	.22	3.07	2527	25.7	26.5	27.0	27.3	27.8	28.8	29.8	30.4	30.8	31.4	32.5
119 BIT-POSTERIOR ARC	25.03	1.20	(9.85	.47	4.8%	.15	3.18	2527	22.3	23.1	23.5	23.8	24.2	25.0	25.8	26.3	26.6	27.1	28.0
120 HEAD LENGTH	19.53	.72	(7.69	.28	3.7%	.04	2.92	2527	17.9	18.4	18.6	18.8	19.0	19.5	20.0	20.3	20.5	20.8	21.2
121 MAX HEAD DIAG/MENT	25.03	.85	(9.85	.33	3.4%	.06	2.91	2527	23.1	23.6	23.9	24.1	24.4	25.0	25.6	25.9	26.1	26.5	27.0
122 MAX HEAD DIAG/NUCH	19.26	.75	(7.58	.30	3.9%	.15	2.84	2527	17.6	18.1	18.3	18.5	18.7	19.2	19.8	20.1	20.3	20.6	21.1
123 EAR LENGTH	6.23	.42	(2.45	.17	6.8%	.02	3.10	2527	5.2	5.5	5.7	5.8	5.9	6.2	6.5	6.7	6.8	6.9	7.2
124 EAR LGTH ABOVE TRG	3.46	.30	(1.11	.12	10.5%	.06	3.35	2527	2.1	2.3	2.4	2.5	2.6	2.8	3.0	3.2	3.3	3.6	4.2
125 EAR BREADTH	3.46	.32	(1.36	.13	9.4%	-.19	3.30	2527	2.6	2.9	3.0	3.1	3.2	3.5	3.7	3.8	3.9	4.0	4.2
126 EAR PROTRUSION	2.06	.37	(.81	.15	17.9%	.27	3.01	2527	1.2	1.5	1.6	1.7	1.8	2.0	2.3	2.5	2.6	2.7	3.0
127 HEAD BREADTH	15.21	.57	(5.99	.22	3.2%	.14	2.92	2527	13.9	14.3	14.5	14.6	14.8	15.2	15.6	15.8	16.0	16.2	16.6
128 BI-AURICULAR DIAM	18.29	.93	(7.20	.36	5.1%	-.03	2.93	2527	16.1	16.7	17.1	17.3	17.7	18.3	18.9	19.3	19.5	19.8	20.4
129 BI-TRAGON DIAMETER	13.67	.58	(5.38	.23	4.2%	-.02	2.96	2527	12.3	12.7	12.9	13.1	13.3	13.7	14.1	14.3	14.4	14.6	15.0
130 BIZYGOMATIC DIAM	13.89	.55	(5.47	.22	3.9%	.10	2.90	2527	12.7	13.0	13.2	13.3	13.5	13.9	14.3	14.5	14.6	14.8	15.2
131 MAX FRONTAL DIAM	11.45	.48	(4.51	.19	4.2%	.00	3.03	2527	10.3	10.7	10.8	10.9	11.1	11.4	11.8	12.0	12.1	12.3	12.6
132 BIGONIAL DIAMETER	10.64	.52	(4.19	.20	4.9%	.20	3.09	2527	9.5	9.8	10.0	10.1	10.3	10.6	11.0	11.2	11.3	11.5	12.0
133 BIOCULAR DIAMETER	9.29	.49	(3.66	.19	5.3%	.09	2.94	2527	8.2	8.5	8.7	8.8	8.9	9.3	9.6	9.8	9.9	10.1	10.5
134 INTERPUPILLARY DST	6.15	.38	(2.42	.15	6.2%	.16	2.85	2527	5.3	5.5	5.7	5.7	5.9	6.1	6.4	6.6	6.7	6.8	7.1
135 INTEROCULAR DIAM	3.15	.28	(1.24	.11	8.8%	.33	3.04	2527	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.9
136 NASAL ROOT BREADTH	1.81	.26	(.71	.10	14.3%	.36	3.34	2527	1.3	1.4	1.5	1.5	1.6	1.8	2.0	2.1	2.2	2.3	2.5
137 NASAL BREADTH	3.39	.40	(1.33	.16	11.9%	.99	4.01	2527	2.7	2.9	3.0	3.0	3.1	3.3	3.6	3.8	4.0	4.2	4.6
138 NOSE PROTRUSION	2.27	.28	(.89	.11	12.5%	.17	3.20	2527	1.6	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.6	2.8	3.0
139 PHILTRUM LENGTH	1.43	.25	(.56	.10	17.3%	.14	3.02	2527	.9	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.7	1.8	2.0
140 LIP-LIP DISTANCE	1.32	.40	(.76	.16	21.0%	.72	3.58	2527	1.1	1.4	1.5	1.5	1.6	1.9	2.2	2.3	2.5	2.7	3.1
141 LIP LENGTH	4.77	.43	(1.88	.17	8.9%	.07	2.86	2527	3.8	4.1	4.2	4.3	4.5	4.8	5.1	5.2	5.3	5.5	5.8
142 LIP LENGTH SMILING	5.61	.63	(2.21	.25	11.3%	.36	3.13	2527	4.3	4.6	4.8	5.0	5.2	5.6	6.0	6.3	6.4	6.7	7.3
143 MENTON-SUBNASALE L	7.08	.60	(2.79	.24	8.5%	.20	3.18	2527	5.7	6.1	6.3	6.5	6.7	7.1	7.5	7.7	7.9	8.1	8.6
144 MENTON-NASAL RT DP	11.98	.67	(4.72	.26	5.6%	.13	3.07	2527	10.4	10.9	11.1	11.3	11.5	12.0	12.4	12.7	12.9	13.1	13.6
145 SUBNAS-NASAL RT DPTH	5.07	.36	(2.00	.14	7.1%	.08	3.30	2527	4.2	4.5	4.6	4.7	4.8	5.1	5.4	5.5	5.7	6.0	6.6
146 VERTEX-GLABELLA HT	9.30	.75	(3.66	.30	8.1%	-.05	3.11	2527	7.5	8.1	8.3	8.5	8.8	9.3	9.8	10.1	10.3	10.6	11.1
147 VERTEX-NASAL RT DP	10.94	.73	(4.31	.29	6.6%	-.01	3.30	2527	9.2	9.7	10.0	10.2	10.4	10.9	11.4	11.7	11.9	12.2	12.7
148 VERTEX-EXT CANT HT	11.66	.63	(4.59	.25	5.4%	-.08	3.23	2527	10.1	10.6	10.8	11.0	11.2	11.7	12.1	12.3	12.5	12.7	13.1
149 VERTEX-PRONASALE H	14.89	.81	(5.86	.32	5.5%	-.07	3.15	2527	12.9	13.5	13.8	14.0	14.3	14.9	15.4	15.7	15.9	16.2	16.8
150 VERTEX-STOMION HT	18.28	.80	(7.24	.32	4.4%	-.02	3.20	2527	16.4	16.9	17.2	17.5	17.7	18.3	18.8	19.1	19.3	19.6	20.2

TABLE II-D
UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

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	MEAN	SD (CONV. M)	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
151 VERTEX-MENTION HT	22.79	.92 (8.97	.36)	4.0%	.07	3.09	2527	20.7	21.3	21.6	21.9	22.2	22.8	23.4	23.8	24.0	24.4	25.0
152 VERTEX-TRAGION HT	13.19	.61 (5.19	.24)	4.8%	-.02	3.17	2527	11.7	12.2	12.4	12.6	12.8	13.2	13.6	13.8	14.0	14.2	14.5
153 WALL-GABELLA DIST	19.75	.72 (7.78	.28)	3.6%	.10	2.96	2527	18.1	18.6	18.8	19.0	19.3	19.7	20.2	20.5	20.7	21.0	21.4
154 WALL-NAS RT DEP DT	19.52	.71 (7.68	.28)	3.6%	.07	3.01	2527	17.9	18.4	18.6	18.8	19.0	19.5	20.0	20.3	20.4	20.7	21.2
155 WALL-EX CANT DIST	17.04	.70 (6.71	.28)	4.1%	.01	3.06	2527	15.4	15.9	16.1	16.3	16.6	17.1	17.5	17.8	17.9	18.2	18.8
156 WALL-PRONASALE DIST	21.85	.80 (8.60	.31)	3.7%	.01	3.04	2527	20.0	20.5	20.8	21.0	21.3	21.9	22.4	22.7	22.9	23.2	23.7
157 WALL-STOMION DIST	20.45	.90 (8.05	.36)	4.4%	.16	3.12	2527	18.5	19.0	19.3	19.5	19.8	20.4	21.0	21.4	21.6	22.0	22.7
158 WALL-MENTION DIST	18.43	1.07 (7.26	.42)	5.8%	.03	3.15	2527	16.0	16.7	17.1	17.3	17.7	18.4	19.2	19.5	19.8	20.2	21.0
159 WALL-TRAGION DIST	9.51	.65 (3.74	.26)	6.8%	-.05	3.14	2527	7.9	8.4	8.7	8.8	9.1	9.5	10.0	10.2	10.3	10.6	11.0
169 GUESSED WEIGHT	69.44	10.25 (153.10	22.59)	14.8%	.76	3.67	2527	50.0	55.3	57.7	59.4	62.0	67.9	75.4	80.2	83.7	89.2	100.2
170 GUESSED HEIGHT	176.85	6.85 (69.62	2.70)	3.9%	-.08	2.95	2527	160.2	165.3	167.9	169.7	172.3	176.9	181.5	184.0	185.6	188.1	192.7

TABLE II-E
UNIVARIATE SUMMARY STATISTICS FOR
THE 1946 SURVEY OF ARMY FEMALE SEPARATEES

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	MEAN	SD (CONV. M)	SD	COV	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 WEIGHT	59.66	9.02 (131.54)	19.89	15.1%	.89	4.20	7554	44.1	47.4	49.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
2 STATURE	162.22	6.01 (63.86)	2.36	3.7%	.10	2.90	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
3 CERVICAL HEIGHT	136.35	5.63 (54.47)	2.22	3.1%	.11	2.98	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
4 SHOULDER HEIGHT	134.17	5.57 (52.82)	2.16	4.1%	.12	2.96	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
5 WAIST HEIGHT	102.53	4.50 (40.37)	1.80	4.5%	.08	3.12	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
6 CROTCH HEIGHT	72.97	4.00 (28.73)	1.58	5.5%	.08	3.11	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
7 HIP HEIGHT	81.74	4.30 (32.18)	1.69	5.3%	.19	3.13	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
8 DACTYLON HEIGHT	64.02	3.50 (25.20)	1.38	5.5%	.07	3.20	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
9 SITTING HEIGHT	83.73	3.19 (32.97)	1.26	3.8%	.01	3.09	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
10 TRUNK HEIGHT, SIT	53.70	2.71 (21.14)	1.07	5.0%	.06	2.86	7554	41.8	45.2	45.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
11 SHOULDER ELBOW LEN	33.25	1.83 (13.09)	.72	5.5%	.04	3.51	7554	28.7	30.2	30.9	31.4	32.1	33.3	34.5	35.1	35.6	36.2	37.5
12 ELBOW-FINGERTIP	42.41	2.08 (16.70)	.82	4.9%	-.07	3.33	7554	28.7	30.2	30.9	31.4	32.1	33.3	34.5	35.1	35.6	36.2	37.5
13 KNEE HEIGHT, SITTING	47.75	2.38 (18.80)	.94	5.0%	.05	3.16	7554	28.7	30.2	30.9	31.4	32.1	33.3	34.5	35.1	35.6	36.2	37.5
14 BUTTOCK-KNEE LENGTH	56.88	2.95 (22.40)	1.16	5.2%	.04	3.31	7554	28.7	30.2	30.9	31.4	32.1	33.3	34.5	35.1	35.6	36.2	37.5
15 CHEST DEPTH	18.10	1.59 (7.13)	.63	8.8%	.07	3.81	7554	14.7	15.7	16.2	16.5	17.0	18.0	19.1	19.7	20.2	20.9	22.4
16 TRUNK DEPTH	19.27	2.38 (7.59)	.94	12.3%	.04	4.37	7554	15.2	16.1	16.6	17.0	17.6	18.9	20.6	21.6	22.4	23.7	26.6
17 CHEST BREADTH	28.40	2.35 (11.18)	.93	8.3%	.09	4.03	7554	23.7	24.9	25.6	26.1	26.8	28.2	29.8	30.7	31.4	32.5	35.2
18 BI-ILIAC BREADTH	24.63	2.30 (9.70)	.90	9.3%	.13	3.59	7554	19.4	21.1	21.9	22.4	23.2	24.6	26.1	26.9	27.5	28.5	30.5
19 SHOULDER BREADTH	39.63	2.57 (15.60)	1.01	6.5%	.14	3.83	7554	34.0	35.6	36.3	36.9	37.6	39.1	40.9	42.0	42.8	44.0	46.5
20 NIPPLE-NIPPLE BRTH	19.31	2.15 (7.60)	.85	11.1%	.45	4.11	7554	14.6	16.1	16.8	17.2	17.9	19.1	20.5	21.4	22.0	23.0	25.2
21 ELBOW-ELBOW BR'DTH	38.23	3.67 (15.05)	1.45	9.6%	.72	3.95	7554	31.0	32.8	33.7	34.4	35.4	37.5	40.1	41.7	42.9	44.7	48.4
22 HIP BREADTH, SITTING	37.06	2.80 (14.59)	1.10	7.5%	.53	3.66	7554	31.5	32.9	33.7	34.3	35.1	36.8	38.7	39.9	40.8	42.1	44.8
23 NECK CIRCUMFERENCE	31.79	1.66 (12.52)	.65	5.2%	.51	3.84	7554	28.4	29.3	29.8	30.2	30.7	31.7	32.8	33.4	33.9	34.7	36.4
24 BUST CIRCUMFERENCE	88.96	7.69 (35.02)	3.03	8.6%	.78	3.64	7554	74.8	78.2	80.0	81.3	83.4	87.9	93.5	97.0	99.5	103.4	111.0
25 CHEST CIRCUMFERENCE	77.42	6.14 (30.48)	2.42	7.9%	.78	4.09	7554	65.9	68.9	70.4	71.4	73.1	76.6	80.9	83.7	85.7	88.8	95.5
26 WAIST CIRCUMFERENCE	67.02	6.23 (28.38)	2.45	9.3%	1.00	4.54	7554	56.1	58.9	60.2	61.1	62.6	65.9	70.4	73.3	75.5	78.9	86.2
27 HALFWAY TO HIP CIR	85.91	7.49 (33.78)	2.95	8.7%	.71	4.03	7554	71.3	75.0	77.0	78.4	80.6	85.0	90.1	93.2	95.5	99.2	107.3
28 HIP CIRCUMFERENCE	95.12	6.69 (37.45)	2.63	7.0%	.68	3.86	7554	82.4	85.5	87.2	88.5	90.4	94.4	99.0	101.8	103.9	107.2	114.6
29 VERTICAL TRUNK CIR	149.76	7.14 (58.96)	2.81	4.8%	.40	3.51	7554	134.5	138.7	141.0	142.6	144.9	145.4	146.9	148.4	149.9	151.4	156.1
30 ARM SCYE CIRCUMFER	38.04	3.12 (14.98)	1.23	8.2%	.42	3.54	7554	31.2	33.0	34.0	34.7	35.6	37.6	39.7	40.9	41.8	43.3	46.3
31 BICEPS CIRCUMFER	25.66	2.72 (10.10)	1.07	10.6%	.63	3.51	7554	20.6	21.7	22.4	22.9	23.7	25.4	27.3	28.5	29.3	30.7	33.4
32 FOREARM CIRCUMFER	22.54	1.66 (8.88)	.65	7.4%	.44	3.39	7554	19.1	20.1	20.5	20.9	21.4	22.4	23.6	24.2	24.7	25.5	27.1
33 WRIST CIRCUMFER	14.71	.81 (5.79)	.32	5.5%	.38	3.53	7554	13.0	13.5	13.7	13.9	14.2	14.7	15.2	15.5	15.8	16.1	16.9
34 UPPER THIGH CIRCUM	56.13	5.22 (22.10)	2.05	9.3%	.51	3.44	7554	45.2	48.2	49.6	50.6	52.2	55.4	59.1	61.3	62.8	65.2	69.8
35 MID-THIGH CIRCUMF	48.97	4.86 (19.28)	1.91	9.9%	.45	3.44	7554	38.9	41.5	42.8	43.8	45.3	48.3	51.7	53.7	55.1	57.3	61.6
36 SHOULDER LENGTH	12.13	1.13 (4.77)	.44	9.3%	.10	3.15	7554	9.6	10.2	10.7	10.9	11.4	12.1	12.8	13.2	13.5	13.9	15.0
37 CERVICAL-LAT NECK	9.13	.93 (3.60)	.37	10.2%	-.01	3.21	7554	7.0	7.6	7.7	7.8	8.2	8.5	9.2	9.8	10.1	10.3	11.4
38 INTERSOVE	34.45	2.73 (13.56)	1.08	7.9%	.24	3.18	7554	28.5	30.2	31.1	31.7	32.6	34.4	36.2	37.3	38.0	39.1	41.4
39 MAIST BACK LENGTH	37.85	2.28 (14.90)	.90	6.0%	.04	3.05	7554	32.6	34.1	34.9	35.5	36.3	37.8	39.3	40.2	40.8	41.6	43.3
40 WAIST FRONT LENGTH	32.71	2.01 (12.88)	.79	6.1%	.15	3.13	7554	28.1	29.5	30.2	30.7	31.4	32.7	34.0	34.7	35.2	36.0	37.8
41 STRAP LENGTH	71.50	6.39 (28.15)	2.52	8.9%	.84	3.95	7554	60.0	62.8	64.3	65.3	66.9	70.5	75.0	77.9	80.0	83.5	90.7
42 LATERAL NECK-WAIST	42.53	2.51 (16.75)	.99	5.9%	.08	3.44	7554	36.7	38.6	39.5	40.1	40.9	42.5	44.2	45.1	45.8	46.8	48.6
43 AXILLA TO WAIST PT	23.13	2.65 (9.11)	1.04	11.5%	.22	4.48	7554	17.1	18.8	19.7	20.3	21.2	22.8	24.5	25.5	26.2	27.3	29.8
44 CROTCH LENGTH	70.12	5.74 (27.60)	2.26	8.2%	.54	4.20	7554	57.8	61.5	63.3	64.5	66.3	69.7	73.4	75.7	77.4	80.2	86.4
45 CROTCH CIRCUMFERENCE	55.16	1.55 (21.72)	.61	2.8%	.05	3.11	7554	51.5	52.6	53.2	53.6	54.1	55.1	56.2	56.8	57.2	57.8	58.9
46 HEAD LENGTH	18.38	.64 (7.24)	.25	3.5%	-.04	3.05	7554	16.9	17.3	17.5	17.7	17.9	18.4	18.8	19.0	19.2	19.4	19.9
47 CANTHUS-OTOBASION	7.69	.50 (3.03)	.20	6.5%	.11	3.51	7554	6.4	6.9	7.1	7.2	7.4	7.7	8.0	8.2	8.3	8.5	9.0
48 HEAD BREADTH	14.58	.54 (5.74)	.21	3.7%	-.01	3.37	7554	13.3	13.7	13.9	14.0	14.2	14.6	14.9	15.1	15.3	15.5	15.9
49 HEAD HEIGHT	13.16	.90 (5.18)	.35	6.8%	-.03	3.11	7554	11.0	11.6	12.0	12.2	12.6	13.2	13.8	14.1	14.3	14.6	15.4
50 FACE LENGTH	11.13	.72 (4.38)	.28	6.4%	.75	5.06	7554	9.7	10.1	10.3	10.4	10.7	11.1	11.5	11.8	12.0	12.3	13.4

TABLE II-E
UNIVARIATE SUMMARY STATISTICS FOR
THE 1946 SURVEY OF ARMY FEMALE SEPARATEES

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	MEAN	SD (CONV. M	SU	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 MINIMUM FRONTAL BR	10.08	.59 (3.97	.23)	5.8%	-.46	3.70	7554	8.4	9.1	9.3	9.5	9.7	10.1	10.5	10.7	10.8	11.0
52 FACE BREADTH	13.08	.54 (	5.15	.21)	4.1%	-.13	3.45	7554	11.7	12.2	12.4	12.5	12.7	13.1	13.4	13.6	13.7	13.9
53 BIOCULAR BREADTH	9.04	.46 (	3.56	.18)	5.0%	.15	3.04	7554	8.0	8.3	8.5	8.6	8.7	9.0	9.3	9.5	9.6	9.8
54 INTEROCULAR BR'DTH	3.17	.30 (	1.25	.12)	9.6%	.08	3.31	7554	2.5	2.7	2.8	2.9	3.0	3.2	3.4	3.5	3.6	3.7
55 NOSE LENGTH	4.80	.56 (	1.89	.22)	11.6%	1.37	8.66	7554	3.6	4.1	4.2	4.3	4.5	4.8	5.1	5.2	5.3	5.6
56 NASAL ROOT BREADTH	1.56	.25 (	.61	.10)	15.7%	.36	3.18	7554	1.0	1.2	1.3	1.3	1.4	1.5	1.7	1.8	1.9	2.0
57 NOSE BREADTH	3.12	.29 (	1.23	.11)	9.2%	.38	4.31	7554	2.5	2.7	2.8	2.8	2.9	3.1	3.3	3.4	3.5	3.6
58 HAND LENGTH	17.50	.82 (	6.89	.32)	4.7%	.20	3.31	7554	15.6	16.2	16.5	16.7	17.0	17.5	18.0	18.3	18.6	18.9
59 HAND BREADTH	7.68	.50 (	3.02	.20)	6.6%	.69	3.73	7554	6.7	7.0	7.1	7.2	7.3	7.6	8.0	8.2	8.4	8.6
65 AGE	27.30	5.55 (	27.30	5.55)	20.3%	1.60	5.41	7554	20.9	21.7	22.2	22.6	23.2	25.1	29.2	32.6	35.0	39.0
																		46.1

TABLE II-F
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY FEMALES

	**	MEAN	SD	(CONV. M)	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT		160.28	6.57	(63.10	2.59)	4.1%	-0.06	4.08	3581144	5149	5152	0153	6156	00160	5164	9167	3168	9171	3175	3
2 WEIGHT		63.69	13.81	(140.41	30.49)	21.7%	1.31	6.22	3581	41.0	46.2	48.9	50.8	53.9	61.1	70.7	77.1	82.0	89.9	107.3
3 BIACROMIAL DIAMETR		35.43	1.93	(13.95	.76)	5.5%	-0.09	4.30	3581	30.7	32.1	32.9	33.4	34.2	35.6	37.0	37.8	38.3	39.0	40.5
4 RIGHT ARM GIRTH		28.83	4.23	(11.27	1.66)	14.8%	.78	3.97	3581	20.6	22.6	23.7	24.4	25.6	28.2	31.3	33.2	34.6	36.7	40.8
5 CHEST GIRTH		88.03	8.12	(34.66	3.20)	9.2%	.78	3.96	3581	73.5	76.9	78.7	80.1	82.2	87.0	93.0	96.6	99.3	103.3	110.9
6 WAIST GIRTH		76.68	12.07	(30.19	4.75)	15.7%	.95	3.92	3581	58.0	61.2	63.3	64.9	67.8	74.6	83.6	89.3	93.4	99.9	112.9
7 SUN OF SKINFOLDS		3.98	1.64	(1.57	.63)	4.12%	.76	3.56	3581	1.1	1.7	2.0	2.3	2.8	3.8	5.0	5.8	6.3	7.1	8.6
8 SITTING HEIGHT		81.78	3.84	(32.20	1.51)	4.7%	-.73	8.53	3581	72.1	75.4	77.0	78.0	79.4	82.0	84.6	85.9	86.8	88.1	90.1
9 SITTING HGT/RECT		84.69	3.63	(33.34	1.43)	4.3%	-.76	7.96	3581	75.2	78.6	80.1	81.1	82.5	85.0	87.4	88.6	89.5	90.7	92.8
10 KNEE HEIGHT		49.69	2.71	(19.56	1.07)	5.4%	.27	4.16	3581	43.4	45.2	46.2	46.9	47.9	49.8	51.7	52.7	53.4	54.5	56.6
11 POPLITEAL HEIGHT		39.71	2.60	(15.63	1.02)	6.5%	.11	4.45	3581	33.4	35.5	36.5	37.2	38.1	39.8	41.5	42.4	43.2	44.3	46.8
12 THIGH CLEARANCE		13.72	1.84	(5.40	.72)	13.4%	.70	4.88	3581	9.1	10.6	11.3	11.7	12.4	13.7	15.2	16.1	16.6	17.5	19.1
13 BUTTOCK-KNEE LNTH		56.83	3.11	(22.37	1.22)	5.5%	.32	3.02	3581	49.7	51.8	52.9	53.6	54.8	56.9	59.0	60.3	61.2	62.5	65.3
14 BUTTOCK-POPLITEAL		47.98	3.07	(18.89	1.21)	6.4%	.19	3.35	3581	40.7	43.0	44.1	44.9	46.0	48.0	50.2	51.4	52.2	53.5	56.1
15 SEAT BREADTH		36.67	3.73	(14.44	1.47)	10.2%	.82	4.64	3581	29.3	31.2	32.3	33.0	34.1	36.4	38.9	40.5	41.7	43.7	48.3
16 ELBOW-ELBOW BR*OTH		38.96	5.35	(15.34	2.11)	13.7%	.75	3.69	3581	29.2	31.5	32.7	33.6	35.1	38.4	42.3	44.7	46.5	49.1	54.2
17 ELBOW REST HEIGHT		23.08	2.91	(9.08	1.15)	12.6%	-.20	3.76	3581	15.4	16.0	16.3	16.6	17.1	17.8	18.5	19.2	19.8	20.5	21.2
18 AGE		42.61	15.43	(42.61	15.43)	36.2%	.36	2.23	3581	18.5	20.9	23.3	25.5	30.3	41.7	54.1	61.1	65.8	71.1	77.8

TABLE II-G
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

	MEAN	SD	(CONV. M)	SDI	CO/V	V-1	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	161.67	6.27	(63.65	2.47)	3.9%	.24	4.30	1165147	5151.3	6155.2	5157.5	5161.9	5166.1	5169.8	5171.9	5175.9	5179.9	5183.9	5187.9
2 WEIGHT	62.38	14.26	(137.52	31.43)	22.9%	1.83	9.17	116540.7	46.0	48.4	50.0	52.7	59.1	68.6	75.3	80.5	89.4	109.7	
3 BIACROMIAL DIAMETR	35.66	1.94	(14.04	.76)	5.4%	-.40	5.54	116531.0	32.3	33.1	33.6	34.4	35.8	37.2	38.0	38.4	39.1	40.5	
4 RIGHT ARM GIRTH	28.08	4.19	(11.05	1.65)	14.9%	1.10	4.75	116520.7	22.6	23.5	24.1	25.0	27.4	30.6	32.6	34.1	36.4	40.6	
5 CHEST GIRTH	86.60	7.93	(34.09	3.12)	9.2%	1.13	5.28	116573.2	76.6	78.2	79.3	81.1	85.3	90.9	94.6	97.3	101.8	110.9	
6 WAIST GIRTH	73.60	10.96	(28.97	4.32)	14.9%	1.43	5.99	116557.4	60.9	62.6	63.9	65.9	71.2	78.9	84.2	88.3	95.1	109.8	
7 SUM OF SKINFOLDS	3.78	1.64	(1.49	.65)	43.5%	.99	3.96	11651.0	1.7	2.0	2.2	2.6	3.5	4.8	5.6	6.2	7.1	8.8	
8 SITTING HEIGHT	82.62	3.55	(32.53	1.40)	4.3%	-.12	3.21	116573.9	76.6	78.0	78.9	81.3	82.8	85.3	86.6	87.4	88.7	91.0	
9 SITTING HGT/RECT	85.61	3.30	(33.71	1.30)	3.9%	-.16	3.07	116577.3	79.9	81.3	82.2	83.5	85.9	88.1	89.3	90.1	91.3	93.7	
10 KNEE HEIGHT	49.98	2.72	(19.68	1.07)	5.4%	.50	5.26	116544.3	45.5	46.4	47.1	48.1	50.1	52.0	52.9	53.6	54.6	57.0	
11 POPLITEAL HEIGHT	39.97	2.55	(15.74	1.00)	6.4%	.17	5.13	116533.6	35.8	36.8	37.5	38.4	40.0	41.6	42.6	43.2	44.3	46.8	
12 THIGH CLEARANCE	13.86	1.88	(5.46	.74)	13.6%	.89	5.41	11659.2	10.7	11.4	11.8	12.5	13.8	15.3	16.2	16.8	17.8	19.5	
13 BUTTOCK-KNEE LNTH	57.07	3.10	(22.47	1.22)	5.4%	.42	3.72	116550.0	52.0	53.1	53.9	55.0	57.1	59.2	60.5	61.4	62.8	66.0	
14 BUTTOCK-POPLITEAL	48.09	3.08	(18.93	1.21)	6.4%	.27	3.38	116540.9	43.0	44.1	44.9	46.1	48.2	50.3	51.5	52.3	53.6	56.4	
15 SEAT BREADTH	36.35	3.66	(14.31	1.44)	10.1%	.98	5.13	116529.2	31.0	32.1	32.8	33.8	36.0	38.6	40.1	41.3	43.3	47.9	
16 ELBOW-ELBOW BR'DTH	37.75	5.10	(14.86	2.01)	13.5%	1.14	5.01	116529.0	31.1	32.2	32.9	34.2	37.0	40.7	43.1	44.8	47.7	53.6	
17 ELBOW REST HEIGHT	23.56	2.75	(9.27	1.08)	11.7%	-.11	3.64	116516.2	18.9	20.1	20.8	21.9	23.7	25.5	26.6	27.3	28.4	30.7	
18 AGE	32.65	4.45	(32.65	4.45)	13.6%	-.06	1.76	116525.6	26.2	26.9	27.6	29.3	33.3	37.0	38.4	39.3	40.3	41.3	

TABLE II-H
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY MALES

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	MEAN	SD (CONV.)	M	SD	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	173.24	6.89	(68.21	2.71)	4.0%	-.04	3.32	3091	56.5	161.8	164.6	166.4	169.0	173.6	178.1	180.4	182.0	184.4	189.1
2 WEIGHT	74.89	12.62	(165.10	27.83)	16.9%	.54	3.76	3091	50.0	56.2	59.7	62.2	66.1	74.0	82.7	87.9	91.5	97.1	108.2
3 BIACROMIAL DIAMETR	39.64	2.12	(15.61	.83)	5.3%	-.09	3.74	3091	34.1	35.8	36.7	37.3	38.2	39.8	41.4	42.2	42.7	43.5	45.0
4 RIGHT ARM GIRTH	30.66	3.24	(12.07	1.27)	10.6%	.15	3.41	3091	22.9	25.3	26.5	27.3	28.5	30.7	33.0	34.3	35.1	36.5	39.1
5 CHEST GIRTH	99.26	8.33	(39.08	3.28)	8.4%	.39	3.46	3091	82.3	86.5	89.0	90.8	93.5	98.9	104.7	108.0	110.3	113.0	120.5
6 WAIST GIRTH	88.67	11.48	(34.91	4.52)	12.9%	.41	3.37	3091	68.0	71.8	74.6	76.8	80.4	87.9	96.2	101.0	104.2	109.1	118.3
7 SUM OF SKINFOLDS	2.71	1.36	(1.07	.54)	50.3%	1.32	5.82	3091	.6	.8	1.1	1.4	1.7	2.5	3.5	4.2	4.5	5.3	7.2
8 SITTING HEIGHT	86.39	3.68	(34.01	1.45)	4.3%	-.19	3.59	3091	76.9	80.2	81.7	82.7	84.1	86.6	89.1	90.4	91.4	92.8	95.3
9 SITTING HGT/RECT	90.45	3.67	(35.61	1.45)	4.1%	-.30	3.71	3091	80.8	84.2	85.8	86.8	88.2	90.6	93.1	94.4	95.3	96.7	99.3
10 KNEE HEIGHT	54.15	2.89	(21.32	1.14)	5.3%	.01	3.53	3091	46.8	49.3	50.5	51.2	52.3	54.3	56.2	57.3	58.1	59.3	61.7
11 POPLITEAL HEIGHT	43.96	2.67	(17.31	1.05)	6.1%	.07	3.10	3091	37.5	39.2	40.3	41.1	42.2	44.2	46.2	47.1	47.8	48.8	50.7
12 THIGH CLEARANCE	14.31	1.69	(5.63	.66)	11.8%	.48	4.85	3091	10.0	11.4	12.1	12.5	13.1	14.4	15.7	16.4	17.0	17.7	19.0
13 BUTTOK-KNEE LNTH	59.12	2.92	(23.28	1.15)	4.9%	-.14	3.74	3091	52.0	54.0	55.2	56.1	57.3	59.4	61.3	62.4	63.1	64.2	66.7
14 BUTTOK-POPLITEAL	49.36	3.07	(19.43	1.21)	6.2%	.04	3.50	3091	41.9	44.2	45.4	46.2	47.4	49.5	51.6	52.8	53.6	54.8	57.2
15 SEAT BREADTH	35.38	2.79	(13.93	1.10)	7.9%	.47	4.06	3091	29.3	30.8	31.7	32.4	33.4	35.4	37.4	38.5	39.3	40.6	43.2
16 ELBOW-ELBOW BR'DTH	41.99	4.65	(16.53	1.83)	11.1%	.51	3.43	3091	32.7	35.0	36.3	37.3	38.7	41.7	45.1	47.1	48.5	50.6	54.5
17 ELBOW REST HEIGHT	24.12	3.00	(9.49	1.18)	12.4%	-.17	3.41	3091	16.1	19.0	20.3	21.1	22.3	24.3	26.3	27.5	28.2	29.4	31.5
18 AGE	43.24	15.51	(43.24	15.51)	35.9%	.34	2.20	3091	18.5	21.1	23.8	26.3	31.3	42.2	55.1	62.4	66.3	71.9	78.0

TABLE II-J
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY MALES--AGES 25-40

	MEAN	SD	(CONV. M	SD)	COV	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	175.04	6.74	(68.91	2.65)	3.9%	.06	3.69	1012150	3164	1166	8168	6171	0175	3179	6181	9183	5186	0191	0
2 WEIGHT	76.67	12.79	(169.03	28.19)	16.7%	.66	4.07	1012	52.0	57.8	61.4	63.9	67.8	75.6	84.3	89.5	93.2	99.3	112.6
3 BIACRONIAL DIAMETR	40.05	2.07	(15.77	.81)	5.2%	-.08	3.97	1012	34.6	36.4	37.3	37.9	38.7	40.2	41.7	42.5	43.0	43.9	45.5
4 RIGHT ARM GIRTH	31.25	3.14	(12.31	1.24)	10.0%	.29	3.30	1012	24.3	26.1	27.1	27.9	29.0	31.2	33.5	34.8	35.7	37.1	40.1
5 CHEST GIRTH	99.62	8.07	(39.22	3.18)	8.1%	.37	3.40	1012	82.9	87.0	89.6	91.4	94.1	99.4	104.9	108.0	110.2	113.7	121.2
6 WAIST GIRTH	87.14	10.73	(34.31	4.23)	12.3%	.59	4.36	1012	68.2	72.3	74.8	76.7	79.7	86.1	93.7	98.2	101.5	106.6	117.1
7 SUM OF SKINFOLDS	2.83	1.48	(1.11	.58)	52.3%	1.36	5.87	1012	.6	.8	1.1	1.4	1.8	2.6	3.7	4.3	4.8	5.7	7.9
8 SITTING HEIGHT	87.09	3.54	(34.29	1.39)	4.1%	.04	3.02	1012	78.4	81.3	82.6	83.5	84.8	87.2	89.6	91.1	92.1	93.6	96.5
9 SITTING HGT/RECT	91.41	3.43	(35.99	1.35)	3.8%	-.22	3.19	1012	82.5	85.5	86.9	87.9	89.2	91.6	94.0	95.2	96.1	97.4	99.9
10 KNEE HEIGHT	54.73	2.80	(21.55	1.10)	5.1%	.08	3.64	1012	47.7	50.1	51.2	51.9	52.9	54.8	56.8	57.8	58.6	59.7	61.8
11 POPLITEAL HEIGHT	44.49	2.63	(17.51	1.03)	5.9%	.13	3.13	1012	38.2	39.9	40.9	41.7	42.8	44.8	46.6	47.6	48.2	49.2	51.2
12 THIGH CLEARANCE	14.69	1.75	(5.78	.69)	11.9%	.89	6.77	1012	11.4	11.8	12.1	12.5	13.3	14.8	16.0	16.5	17.3	18.3	19.0
13 BUTTOCK-KNEE LNTH	59.65	2.87	(23.48	1.13)	4.8%	.01	3.54	1012	52.4	54.7	55.9	56.7	57.8	59.8	61.8	62.9	63.6	64.8	67.2
14 BUTTOCK-POPLITEAL	49.72	3.11	(19.57	1.22)	6.3%	.03	3.83	1012	41.7	44.5	45.8	46.6	47.8	49.8	52.0	53.2	54.0	55.3	57.8
15 SEAT BREADTH	35.55	2.80	(14.00	1.10)	7.9%	.45	3.62	1012	28.4	31.0	31.9	32.6	33.6	35.6	37.6	38.7	39.5	40.8	43.4
16 ELBOW-ELBOW BR'DTH	41.84	4.54	(16.47	1.79)	10.9%	.64	3.91	1012	33.0	35.1	36.4	37.3	38.7	41.6	44.9	46.8	48.2	50.3	54.4
17 ELBOW REST HEIGHT	24.69	2.80	(9.72	1.10)	11.4%	-.02	3.43	1012	17.7	20.1	21.2	21.9	22.8	24.7	26.8	28.0	28.9	29.9	31.7
18 AGE	32.67	4.24	(32.67	4.24)	13.0%	-.09	1.87	1012	25.6	26.2	27.0	27.8	29.7	33.3	36.7	38.1	38.9	39.9	41.2

TABLE II-K
UNIVARIATE SUMMARY STATISTICS FOR
THE 1974 SURVEY OF LAW ENFORCEMENT OFFICERS

		**															**														
		MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%											
1	HEIGHT	83.29	11.89	(183.63	26.21)	14.3%	.74	4.26	2870	60.8	65.9	69.1	71.5	75.0	82.2	90.2	95.0	98.5	104.3	117.6											
2	HEIGHT	178.07	5.69	(70.11	2.24)	3.2%	.31	3.08	2870	166.5	169.2	170.9	172.7	174.1	177.8	181.1	183.9	185.5	187.8	192.7											
3	FUNCTIONAL REACH	82.94	4.10	(32.65	1.61)	4.9%	.23	3.07	2870	74.2	76.5	77.8	78.7	80.1	82.8	85.6	87.2	88.3	89.9	93.1											
4	CHEST BREADTH	34.64	2.63	(13.64	1.03)	7.6%	.50	3.89	2870	29.3	30.6	31.4	32.0	32.8	33.6	34.5	35.2	35.8	36.2	37.2											
5	CHEST CIRCUMFERENCE	102.16	7.83	(40.22	3.08)	7.7%	.46	3.78	2870	85.7	90.1	92.6	94.3	96.9	100.7	106.9	109.9	112.1	115.6	123.4											
6	WAIST CIRCUMFERENCE	90.58	9.62	(35.66	3.71)	10.4%	.65	4.04	2870	72.4	76.5	79.2	81.1	84.1	88.9	96.1	99.8	102.6	107.1	118.0											
7	WAIST FRONT	41.29	2.50	(16.26	1.02)	6.3%	.43	3.39	2870	35.9	37.3	38.1	38.7	39.5	41.1	42.9	43.9	44.7	45.9	48.5											
8	HEAD CIRCUMFERENCE	57.50	1.56	(22.64	.61)	2.7%	.09	3.09	2870	53.8	54.9	55.5	55.9	56.5	57.5	58.5	59.1	59.5	60.1	61.3											
9	HAND CIRCUMFERENCE	21.43	1.01	(8.44	.40)	4.7%	.08	3.06	2870	19.1	19.8	20.2	20.4	20.7	21.4	22.1	22.5	22.7	23.1	23.8											
10	SHOULDER HT/SITTING	61.51	2.94	(24.22	1.16)	4.8%	.10	3.08	2870	54.7	56.8	57.9	58.5	59.5	61.4	63.5	64.6	65.4	66.5	68.4											
11	SITTING HEIGHT	92.26	3.34	(36.32	1.31)	3.6%	.03	2.97	2870	84.6	86.8	88.0	88.8	90.0	92.2	94.5	95.7	96.5	97.8	100.3											
12	KNEE H'GHT SITTING	55.93	2.47	(22.02	.97)	4.4%	.16	3.00	2870	50.5	52.0	52.8	53.4	54.2	55.9	57.6	58.5	59.1	60.1	62.0											
13	BUTTOCK-KNEE LENGTH	61.51	2.69	(24.22	1.06)	4.4%	.34	3.14	2870	56.0	57.4	58.2	58.8	59.6	61.3	63.2	64.3	65.1	66.2	68.2											
14	SHOULDER BREADTH	49.47	2.89	(19.48	1.14)	5.9%	.32	3.66	2870	42.9	44.9	45.9	46.6	47.6	49.4	51.2	52.3	53.1	54.3	57.3											
15	HEAD LENGTH	19.80	.69	(7.80	.27)	3.5%	.00	3.16	2870	18.1	18.7	18.9	19.1	19.3	19.8	20.3	20.5	20.7	20.9	21.4											
16	HEAD BREADTH	15.47	.56	(6.09	.22)	3.6%	.20	3.10	2870	14.2	14.6	14.8	14.9	15.1	15.4	15.8	16.1	16.2	16.4	16.8											
17	FACE BREADTH	14.31	.50	(5.63	.23)	4.2%	.06	3.08	2870	12.9	13.3	13.5	13.7	13.9	14.3	14.7	14.9	15.1	15.3	15.8											
18	FACE LENGTH	12.13	.64	(4.78	.25)	5.3%	.19	3.12	2870	10.7	11.1	11.3	11.5	11.7	12.1	12.6	12.8	13.0	13.2	13.7											
19	LIP LENGTH	5.15	.44	(2.03	.17)	8.5%	.13	2.94	2870	4.2	4.4	4.6	4.7	4.8	5.1	5.4	5.6	5.7	5.9	6.2											
20	HAND LENGTH	19.35	.90	(7.62	.35)	4.7%	.21	3.32	2870	17.3	17.9	18.2	18.4	18.7	19.3	19.9	20.3	20.5	20.9	21.7											
21	FOREFINGER LENGTH	12.62	.76	(4.97	.30)	6.0%	.19	3.03	2870	11.0	11.4	11.6	11.8	12.1	12.6	13.1	13.4	13.6	13.9	14.6											
22	HAND BREADTH	8.99	.42	(3.54	.17)	4.7%	.06	3.12	2870	8.0	8.3	8.5	8.6	8.7	9.0	9.3	9.4	9.5	9.7	10.0											
23	AGE	30.59	8.72	(30.59	8.72)	28.5%	1.37	4.54	2870	20.0	21.2	22.0	22.9	24.6	27.8	34.1	40.0	43.9	49.1	59.4											

TABLE III

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
6 Abdominal depth, sitting			59				
8 Abdominal extension circumfer	42						
10 Abdominal extension depth	76						
18 Abdominal extension height	14						
23 Acromial height	10	15	12	7	4		10
25 Acromial height, sitting		35		21			
30 Acromion-biceps level length		41					
39 Acromion-radiale length	31	43					
48 Age	1	1	1	133	65	18	
58 Ankle circumference	49	102	76	54			
64 Ankle height	20	31	27				
72 Anterior neck length		116	88	63			
74 Anterior waist length	86						
80 Arm reach from wall				32			
89 Axillary arm circumference	54			56			
91 Axilla to waist length					43		
93 Back curvature	84						
97 Ball-of-foot circumference		128	101	82			
103 Biacromial breadth	63	50	43	38		3	
107 Biauricular breadth	114	161	128				
111 Biceps circumference, flexed	56	106	79	57			
112 Biceps circumfer, flexed, II	58	107					
113 Biceps circumference, relaxed	55	104	78		31	4	
114 Biceps circumfer, relaxed, II	57	105					
122 Bideltoid breadth	64	51	44	<u>39</u>	<u>19</u>		<u>14</u>
126 Bigonial breadth	117	160	132	98			
130 Biiliocristale breadth		<u>54</u>	48		<u>18</u>		
134 Bimalleolar breadth		131	100	79			
138 Biocular breadth	113	162	133	101	53		
142 Bitragion breadth	115	158	129	99			
144 Bitragion-coronal arc	112	144	114	124			
148 Bitragion-inion arc				132			
150 Bitragion-menton arc		147	117	128			
152 Bitr-minimum frontal arc		145	115	126			
154 Bitragion-posterior arc		149	119	131			
156 Bitrag-submandibular arc		148	118	129			
158 Bitragion-subnasale arc		146	116	130			
161 Bitrochanteric breadth			51				
165 Bizygomatic breadth	116	159	130	97	<u>52</u>		<u>17</u>
169 Bust depth	74						

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
172 Bustpoint-bustpoint breadth	66				<u>20</u>		
174 Bustpoint height	12						
178 Buttock circumference		72	66	50			
179 Buttock circumfer, sitting	52	73	67	73			
183 Buttock depth	77	64	60	45			
188 Buttock height	16	23	21				
194 Buttock-knee length	30	39	37	27	14	13	13
197 Buttock-leg length				28			
200 Buttock-popliteal length	29	40	38			14	
207 Calf circumference	47	100	75	53			
209 Calf circumference-II	48	101					
215 Calf height		30	26				
219 Cervicale height	9	14	11	6	3		
223 Chest breadth	65	52	45	40	17		4
227 Chest breadth (bone)			46				
230 Chest circumference	<u>39</u>	69	64	48	<u>24</u>	5	5
231 Chest circumference at scye	<u>38</u>	68					
232 Chest circumference below bust	40				<u>25</u>		
236 Chest depth		62	57	43			
237 Chest depth at scye					15		
241 Chest height		<u>20</u>	17	<u>9</u>			
245 Chin prominence to wall		187					
249 Crotch height	19	26	22	15	6		
252 Crotch length		123	95	69	44		
265 Dactylion height		18	15		8		
269 Deltoid arc		119	91				
273 Dorsal hand skinfold			8				
277 Ear breadth	124	153	125	113			
280 Ear length	123	154	123	112			
282 Ear length above tragion		155	124	114			
285 Ear protrusion		167	126	115			
287 Ectocanthus to otobasion					47		
289 Ectocanthus to top of head	100	<u>175</u>	<u>148</u>				
291 Ectocanthus to wall	106	<u>183</u>	<u>155</u>	<u>118</u>			
293 Elbow breadth	<u>70</u>	57	52				
297 Elbow breadth, II	<u>71</u>	58					
300 Elbow circumference, flexed	59	109	81	58			
303 Elbow circumference, relaxed		108	80				
309 Elbow height		<u>16</u>	13	11			
312 Elbow rest height	27	<u>36</u>	34	23		17	
318 Elbow-elbow breadth				35	21	16	

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
322 Elbow-grip length		46					
324 Elbow-wrist length		44	40				
328 Eye Height				4			
330 Eye height, sitting	24	33	32	20			
334 Femoral breadth	72	<u>60</u>	<u>55</u>				
336 Femoral breadth, II	73	<u>61</u>					
340 Fibular height		<u>29</u>					
344 Finger diameter at meta III			110	89			
352 Fist circumference				92			
356 Foot breadth	95	127	<u>99</u>	77			
362 Foot length	94	125	<u>97</u>	75			
369 Forearm circumferen, flexed	61	<u>111</u>	83	<u>59</u>			
370 Forearm circumferen, relaxed	60	<u>110</u>	82		32		
378 Forearm-forearm breadth		<u>59</u>	<u>53</u>				
381 Forearm-hand length				30	<u>12</u>		
385 Forefinger length							21
389 Glabella to top of head		173	146				
391 Glabella to wall		181	153				
395 Gluteal arc				68			
398 Gluteal furrow height	17	25	23	16			
402 Grip diameter inside				90			
404 Grip diameter outside				91			
407 Grip strength	125	12	9				
409 Halfway-to-hip circumference					27		
411 Hand breadth	92	136	106	86	59		22
413 Hand breadth across thumb		137		85			
416 Hand circumference	93	138	107				9
417 Hand circumferen across thumb		139	108				
420 Hand length	91	134	104	83	58		20
423 Hand thickness		140	<u>109</u>	<u>87</u>			
427 Head breadth	97	156	<u>127</u>	<u>94</u>	48		16
430 Head circumference	98	141	111	122	45		8
433 Head diagonal/inion-pronasale		152					
437 Head diagonal/menton-occiput		<u>151</u>	121				
438 Head diagonal/maximum-nuchale			122				
441 Head length	96	150	120	93	46		<u>15</u>
445 Heel-ankle circumference		130	103				
450 Heel breadth				78			
457 Hip breadth	68	55	49	42			
459 Hip breadth, sitting		56	50	36	22	15	
465 Hip circum at trochanterion					28		

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
466 Hip circumfer 7" below waist	43						
468 Hip circumfer 9" below waist	44						
489 Iliocristale height		22	19				
493 Instep circumference		129	102				
496 Instep length		126	98	76			
500 Interocular breadth		164	135	100	54		
503 Interpupillary breadth		163	134	102			
506 Interscye	82	120	92		38		
507 Interscye, maximum			93	72			
508 Interscye, II				71			
509 Interscye, maximum, II	83	121					
511 Juxt nipple skinfold		<u>5</u>	5				
515 Knee circumference	46	98	73				
517 Knee circumference, sitting		99	74	74			
527 Knee height		<u>28</u>					
529 Knee height, sitting		<u>37</u>	35	25	13	<u>10</u>	12
532 Knee-to-knee breadth			56	37			
539 Larynx to wall				121			
543 Lateral malleolus height	21	132	29	81			
547 Lip length	119	166	141	111			
549 Lip length, smiling			142				19
552 Lip protrusion to wall	109	186	157				
555 Lip-to-lip length		170	140	110			
561 Lower thigh circumference			72	52			
569 Maximum frontal breadth		157	131	96			
572 Maximum reach from wall				33			
576 Medial calf skinfold	6						
579 Medial malleolus height		133	28	80			
585 Menton projection				117			
586 Menton-sellion length	121	<u>172</u>	<u>144</u>		<u>50</u>		<u>18</u>
592 Menton-subnasale length	120	<u>171</u>	<u>143</u>	108			
595 Menton to top of head	104	179	151				
597 Menton to wall	110		158				
601 Metacarpale-III height				<u>17</u>			
606 Midaxillary-xiphoid skinfold		6	6				
612 Midshoulder height, sitting	25	34	33				
615 Midthigh circumference					35		
616 Minimum frontal arc		143	113	125			
618 Minimum frontal breadth				95	51		
622 Nasal breadth	118	165	137	<u>104</u>	<u>57</u>		
625 Nasal root breadth			136	<u>105</u>	56		

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
629 Nasal root height				3			
636 Neck-bustpoint length	80						
637 Neck-cervicale length					37		
638 Neck-waist length					42		
639 Neck circumference	36	66	62	46	23		
649 Nose length				103	55		
652 Nose protrusion			138	106			
656 Palm length		135	105	84			
663 Patella bottom height			25				
666 Patella top height		27	24	18			
674 Philtrum length		169	139	107			
678 Popliteal height	28	38	36	26		11	
686 Posterior neck length		117	89	64			
692 Pronasale to top of head	101	176	<u>149</u>				
694 Pronasale to wall	107	184	<u>156</u>				
698 Radiale-styilion length	32	45					
702 Sagittal arc	111	142	112	123			
706 Scrotale-anterior midshoulder		82					
707 Scrotale-ant midshoulder, sit		83					
709 Scrotale-anterior scye		80					
710 Scrotale-anterior scye, sit		81					
711 Scrotale-anterior waist		76					
712 Scrotale-anterior waist, sit		77					
714 Scrotale-cervicale		88					
715 Scrotale-cervicale, sitting		89					
717 Scrotale-midshldr over butt'k		93					
718 Scrotale-midshldr over b, sit		95					
719 Scrotale-midshldr posterior		92					
720 Scrotale-midshldr poster, sit		94					
722 Scrotale-posterior scye		90					
723 Scrotale-posterior scye, sit		91					
724 Scrotale-posterior waist		84					
725 Scrotale-posterior waist, sit		86					
727 Scrotale-suprasternale		78					
728 Scrotale-suprasternale, sit		79					
730 Scrotale-waist over buttock		85					
731 Scrotale-waist over btk, sit		87					
735 Scye circumference	53	103	77	55	<u>30</u>		
739 Sellion to top of head		<u>174</u>	<u>147</u>				
741 Sellion to wall		<u>182</u>	<u>154</u>	<u>119</u>			
747 Shoulder circumference	37	67	63	47			

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
751 Shoulder-elbow length		42	39	29	11		
754 Shoulder length	79	118	90	65	36		
758 Sitting height	23	32	31	19	9	$\frac{9}{8}$	11
760 Sitting height, relaxed	22						
764 Sleeve inseam	87	49	42	61			
768 Sleeve length seg/spine-elbow	89	114	86				
770 Sleeve length seg/spine-scy	88	113	85				
772 Sleeve length/spine to wrist	90	115	87	62			
797 Span				31			
801 Sphyrion height			30				
805 Stature	7	<u>13</u>	10	<u>2</u>	2	<u>1</u>	<u>2</u>
808 Stature as reported	129	189	<u>170</u>				
811 Stature, maximum	8						
815 Stomion to top of head	103	178	<u>150</u>				
821 Strap length	81				41		
825 Subnasale-sellion length	122	<u>168</u>	<u>145</u>				
827 Subnasale to top of head	102	<u>177</u>					
829 Subnasale to wall	108	185					
833 Subscapular skinfold	4	<u>3</u>	3				
834 Subscapular skinfold-II		<u>9</u>					
840 Sum of skinfolds						7	
841 Suprasternale height	11	19	16	8			
844 Suprailiac skinfold	5	<u>7</u>	7				
845 Suprailiac skinfold-II		<u>11</u>					
848 Suprapatella skinfold		<u>8</u>					
852 Thigh circumference	<u>45</u>	<u>96</u>	70	51	<u>34</u>		
853 Thigh circumference, sitting		<u>97</u>	71				
856 Thigh clearance	78	<u>65</u>	61	24		12	
859 Thigh-thigh breadth, sitting	69						
867 Thumb-tip reach	33	47	<u>41</u>	34			3
869 Thumb-tip reach, extended	34	48					
873 Tibiale height	18						
877 Trigion height				5			
882 Trigion to top of head	99	180	152	<u>116</u>	49		
884 Trigion to wall	105	188	159	<u>120</u>			
888 Triceps skinfold	3	4	4				
890 Triceps skinfold-II		10					
894 Trochanterion height	15	24	20		7		
896 Trunk depth					16		
898 Trunk height					10		
911 Vertical grip reach	<u>35</u>						

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
916 Vertical trunk circumference	50	74	68	70	29		
917 Vertical trunk circ, sitting	51	75	69				
921 Waist back	85	124	96	66	39		
924 Waist breadth	67	53	47	41			
931 Waist circumference	41	70	65	49	26	6	6
933 Waist circumfer, sitting		71					
939 Waist depth	75	63	58	44			
946 Waist front		122	94	67	40		7
949 Waist height	13	21	18	12	5		
951 Waist height, sitting	26			22			
957 Weight	2	2	2	1	1	2	1
960 Weight as reported	130	190	169				
964 Wrist breadth			54				
967 Wrist circumference	62	112	84	60	33		
973 Wrist height		<u>17</u>	14	14			

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (continued)
ALTERNATE NAMES

AIR FORCE WOMEN'S SURVEY--1968

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Bust circumference	Chest circumference
Chest depth	Bust depth
Humeral breadth	Elbow breadth
Interscye, maximum	Interscye, maximum-II
Overhead reach	Vertical grip reach
Spine to elbow	Sleeve length segment (spine-elbow)
Spine to scye	Sleeve length segment (spine-scye)
Spine to wrist	Sleeve length
Upper thigh circumference	Thigh circumference

FLYING PERSONNEL SURVEY--1967

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
...-omphalion	...
Arm circumferences, extended	Arm circumferences, relaxed
Bicristale breadth	Biiliocristale breadth
Ear-to-ear breadth	Biauricular breadth
Elbow breadth-bone	Elbow breadth
External canthus to...	Ectocanthus to...
Guessed Height	Stature as reported
Guessed Weight	Weight as reported
Hand.../metacarpale	Hand...
Head diagonal/menton	Head diagonal/menton to occiput
Heel circumference	Heel-ankle circumference
Height	Stature
Interscye, maximum	Interscye, maximum II
Knee breadth/bone	Femoral breadth
Knee-circumference height	Knee height
Lower arm circumference	Forearm circumference
Menton-nasal root length	Menton-sellion length
Nasal root to...	Sellion to...
Nipple height	Chest height
Radiale height	Elbow height
Sagittal arc-inion	Sagittal arc
SKF...Lange	...skinfold
SKF...Harpenden	...skinfold-II
Stylion height	Wrist height
Subnasale-NRD length	Subnasale-sellion length
Upper thigh circumference	Thigh circumference
...to vertex	...to top of head

TABLE III (continued)
ALTERNATE NAMES

USAF BASIC TRAINEES--1965

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Ball of foot breadth	Foot breadth
Ball of foot girth	Ball of foot circumference
Ball of foot length	Instep length
Biceps circumferences, extended	Biceps circumferences, relaxed
Bitrochanteric/bone	Bitrochanteric breadth
Chest breadth/skin	Chest breadth
Functional reach	Thumb-tip reach
Guessed height	Stature as reported
Guessed weight	Weight as reported
Height	Stature
Knee breadth	Femoral breadth
Maximum forearm-forearm breadth	Forearm-forearm breadth
Maximum head diagonal/menton	Head diagonal/menton to occiput
Maximum head diagonal/nuchale	Head diagonal/maximum to nuchale
Neck circumference/maximum	Neck circumference
SL spine-elbow	Sleeve length segment: (spine-elbow)
SL spine/scye	Sleeve length segment: (spine-scye)
SL spine-wrist	Sleeve length (spine-wrist)
Thickness at metacarpale III	Hand thickness
Upper thigh circumference	Thigh circumference
Vertex to...	...to top of head
Wall to stomion	Lip protrusion to wall
Wall to...	...to wall
...nasal root depression	...sellion

FLYING PERSONNEL SURVEY--1950

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Buttock-leg length	Buttock-heel length
External canthus to wall	Ectocanthus to wall
Functional reach	Thumb-tip reach
Head height	Tragion to top of head
Height	Stature
Kneecap height	Patella top height
Knuckle height	Metacarpale III height
Lower arm circumference, flexed	Forearm circumference, flexed
Nasal root to wall	Sellion to wall
Nipple height	Chest height
Nose breadth	Nasal breadth
Posterior arc	Bitragion-posterior arc
Shoulder breadth	Bideltoid breadth
Shoulder heights	Acromial heights
Thickness-Meta III	Hand Thickness

TABLE III (continued)

ALTERNATE NAMES

U. S. ARMY WOMEN--1946

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Arm scye circumference	Scye circumference
Biiliac breadth	Biiliocristale breadth
Bust circumference	Chest circumference
Canthus-otobasion	Ectocanthus to otobasion
Cervicale-lateral neck	Neck-cervicale length
Chest depth	Chest depth at scye
Elbow-fingertip length	Forearm-hand length
Face breadth	Bizygomatic breadth
Face length	Menton-sellion length
Head height	Tragion to top of head
Hip circumference	Hip circumference at trochanterion
Hip height	Trochanteric height
Lateral neck-waist	Neck-waist length
Nipple-nipple length	Bustpoint-bustpoint length
Nose breadth	Nasal breadth
Shoulder breadth	Bideltoid breadth
Shoulder height	Acromial height
Trunk height, sitting	Trunk height
Upper thigh circumference	Thigh circumference

HEALTH EXAMINATION SURVEY--1960-1962

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Height	Stature
Knee height	Knee height, sitting
Right arm girth	Biceps circumference, relaxed
Seat breadth	Hip breadth, sitting
Sitting height	Sitting height, relaxed
Sitting height, erect	Sitting height

LAW ENFORCEMENT OFFICERS SURVEY

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
Face breadth	Bizygomatic breadth
Face length	Menton-sellion length
Functional reach	Thumb-tip reach
Height	Stature
Shoulder breadth	Bideltoid breadth
Shoulder height, sitting	Acromial height, sitting

Section IV

THE CORRELATIONS--AIR FORCE WOMEN--1968

Until this year when an as-yet-unpublished survey of U. S. Army women was completed, the survey of Air Force women, conducted in the spring of 1968, constituted the only major anthropometric survey of American women made in over 30 years. One hundred and twenty-three body size dimensions, plus grip strength, were measured on a sample of 1905 women; 13 of the measurements were repeated on slightly more than three-quarters of the survey sample with the subjects wearing foundation garments. The subjects ranged from basic trainee to colonel in military rank and from 18 to 57 years in age.

The conduct and results of this survey have been amply reported in Anthropometry of Air Force Women (Clauser et al. 1972). Of the almost two thousand subjects, one-quarter were officers (mean age: 31); 5% were officer trainees (mean age: 24); somewhat more than half were enlisted women, airmen basic to senior master sergeants (mean age: 21); and one-sixth were basic trainees (mean age: 19.5).

The measured officers were predominantly nurses (about five out of six) and half of the officers who were not nurses were classified as being in the biomedical sciences. The largest single group of the enlisted subjects--about 44%--had medical Air Force Specialty Codes (AFSC's). Another 8% had dental AFSC's; the women with medical or dental AFSC's thus constituted over half of the enlisted series. The only other substantial group was that of the administrative AFSC's who totalled 16%. The probable assignments of the officer trainees and the basic trainees were not ascertained; these groups are not included in the breakdowns noted in this paragraph.

The sample was made up of 91% Whites, 8% Blacks, and 1% other. Seven percent were born in New England, 21% in the mid-Atlantic states, 13% in the south-Atlantic states, 18% in the east-north-central states, 7% in the east-south-central states, 9% in the west-north-central states, 10% in the west-south central states, 3% in the mountain states, 9% in the Pacific states, and 3% were foreign born. About 10% of the subjects were married, 2% divorced, and the rest single. No information as to their educational background was collected.

Correlations for age, the 123 body size measurements, grip strength, and reported stature and weight appear in Table IV. (Missing variable numbers 126-138 represent the over-foundation-garment measurements which are not included in the correlation matrices.)

TABLE IV

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE	.2230	.2230	.1477	.1612	.0106	-.0198	.0481	.0460	.0435	.0675	.0480	-.0226	.0387	-.0231	.0101
2 WEIGHT	.1477	.5967	.5967	.5646	.5821	.3618	.5325	.5331	.5405	.5522	.5527	.4571	.4965	.4310	.4599
3 TRICEPS SKINFOLD	.1612	.5646	.6105	.6105	.6043	.3316	.0745	.0755	.0902	.0966	.1015	.0369	.0740	.0241	.0504
4 SUBSCAPULAR SKINFOLD	.0106	.5821	.6043	.6591	.6591	.3721	.0060	.0056	.0274	.0405	.0384	-.0213	.0264	-.0374	.0140
5 SUPRAILIAIC SKINFOLD	.0198	.3618	.5113	.3316	.3721	.0169	.0979	.0978	.1235	.1219	.1267	.0571	.1097	.0518	.0780
6 MEDIAL CALF SKINFOLD	.0481	.5325	.0745	.0060	.0979	.0169	.0169	.0158	.0266	.0354	.0331	.0124	.0090	-.0104	.0101
7 STATURE	.0460	.5331	.0755	.0056	.0978	.0158	.9380	.9980	.9772	.9589	.9728	.9267	.9136	.8969	.8519
8 STATURE, MAXIMUM	.0435	.5405	.0909	.0274	.1236	.0266	.9772	.9786	.9647	.9603	.9743	.9270	.9159	.8989	.8539
9 CERVICAL HEIGHT	.0676	.5522	.0966	.0405	.1219	.0354	.9589	.9603	.9647	.9671	.9671	.9347	.9190	.8999	.8663
10 ACROMIAL HEIGHT	.0480	.5527	.1015	.0384	.1267	.0331	.9728	.9743	.9722	.9671	.9671	.9419	.9305	.9157	.8741
11 SUPRASTERNAL HEIGHT	-.0226	.4571	.0369	-.0213	.0571	.0124	.9257	.9270	.9271	.9347	.9347	.8974	.8974	.8931	.8560
12 BUST POINT HEIGHT	.0387	.4965	.0740	.0264	.1097	.0090	.9136	.9159	.9268	.9190	.9305	.8974	.8974	.8931	.8560
13 WAIST HEIGHT	.0231	.4310	.0241	-.0374	.0618	-.0104	.8969	.8989	.9107	.8999	.9157	.8931	.8931	.8931	.8560
14 ABDOMINAL EXT HGT	.0101	.4599	.0504	.0140	.0780	.0101	.8519	.8539	.8558	.8663	.8741	.8560	.8560	.8560	.8560
15 TROCHANTERIC HEIGHT	.0346	.4676	.0854	.0564	.1443	.0399	.8475	.8489	.8659	.8591	.8684	.8441	.8895	.8946	.8840
16 BUTTOCK HEIGHT	-.0499	.3656	.0173	-.0209	.0701	-.0093	.8252	.8245	.8389	.8280	.8362	.8366	.8642	.8735	.8604
17 GLUTEAL FURROW HGT	-.0029	.4079	.0473	.0060	.0906	-.0129	.7866	.7887	.8149	.7976	.8091	.7859	.8315	.8350	.7851
18 TIBIALE HEIGHT	.0553	.4305	.0358	.0004	.0920	.0070	.8491	.8537	.8761	.8650	.8799	.8619	.9093	.9185	.9015
19 CROTCH HEIGHT	.0437	.1577	-.0088	.0481	.0291	-.0657	.3062	.3067	.3275	.3150	.3160	.2999	.3142	.2802	.2554
20 ANKLE HEIGHT	.0999	.4516	.0910	.0175	.0802	.0254	.7824	.7832	.7348	.7106	.7264	.6588	.5960	.5490	.4932
21 LAT'L MALLEOLUS HT	.0909	.4813	.1045	.0260	.0896	.0403	.8006	.8028	.7527	.7292	.7458	.6734	.6069	.5591	.5065
22 SITTING HT, RELAXED	.1089	.4478	.1115	.0203	.0965	.0441	.7372	.7399	.6987	.6730	.6881	.6183	.5623	.5134	.4556
23 SITTING HEIGHT	.1342	.4973	.1468	.0944	.1198	.0645	.7164	.7187	.7035	.7206	.6855	.6300	.5583	.5046	.4699
24 EYE HEIGHT, SITTING	.1445	.3861	.2243	.1900	.1785	.1072	.4041	.4078	.3983	.3964	.3917	.3407	.4163	.3095	.2827
25 MIDSHOULDER HT, SIT	.0457	.1603	.0968	.0397	.0710	.0751	.2036	.2048	.1858	.2196	.1723	.1440	.0447	.0039	-.0452
26 WAIST HGT, SITTING	.0725	.3701	.0148	.0127	.1015	-.0062	.7276	.7300	.7452	.7364	.7467	.7308	.7622	.7797	.7499
27 ELBOW REST HEIGHT	.0860	.5651	.2247	.1813	.2328	.1206	.6530	.6546	.6729	.6738	.6871	.6542	.7098	.7001	.6966
28 BUTTOCK-POP'LIT'L	.0633	.6941	.2895	.2251	.2843	.1827	.7687	.7701	.7888	.7889	.8001	.7556	.8093	.7943	.7977
29 BUTTOCK-KNEE LENGTH	.0466	.4412	.0680	.0375	.1082	-.0022	.7247	.7270	.7337	.7518	.7353	.7067	.7473	.7479	.7606
30 BUTTOCK-POP'LIT'L	.0025	.3759	.0232	.0020	.0379	.0458	.6659	.6690	.6881	.6771	.6860	.6721	.6987	.6948	.6917
31 ACROMION-RADIALE L	.0861	.4326	.0843	.0469	.1053	.0101	.6462	.6465	.6618	.6568	.6553	.6269	.6522	.6379	.6494
32 RADIALE-STYLION L	.0366	.4221	.0680	.0637	.0625	.0233	.6115	.6128	.6177	.6158	.6137	.5979	.6128	.5936	.6235
33 THUMB-TIP REACH	.0098	.4849	.0429	-.0035	.0744	.0172	.8520	.8533	.8555	.8579	.8639	.8337	.8346	.8258	.8301
34 THUMB-TIP, EXTENDED	.1590	.5820	.3058	.3644	.3093	.1666	.3187	.3175	.3160	.3157	.3099	.2706	.2638	.2230	.2456
35 OVERHEAD REACH	.2330	.8350	.5299	.5815	.5398	.2415	.3336	.3342	.3343	.3503	.3570	.2715	.3082	.2634	.2947
36 NECK CIRCUMFERENCE	.2906	.8032	.5029	.6090	.5534	.2415	.2917	.2913	.2918	.3161	.3075	.2301	.2679	.2112	.2403
37 SHOULDER CIRCUMFER	.2875	.7992	.5249	.6278	.6005	.2508	.2566	.2566	.2631	.2913	.2790	.1826	.2377	.1801	.2117
38 CHEST CIRC AT SCYE	.2649	.7902	.4877	.5720	.5384	.2891	.2889	.2889	.2927	.3232	.3083	.2532	.2583	.2022	.2478
39 BUST CIRCUMFERENCE	.2343	.8244	.5418	.6461	.6409	.2894	.2786	.2774	.2926	.3130	.2977	.2155	.2382	.1924	.2549
40 CHEST C BELOW BUST	.2963	.7939	.5881	.6279	.6086	.3374	.2451	.2426	.2457	.2667	.2491	.1700	.2152	.1109	.1852
41 WAIST CIRCUMFERENCE	.2302	.8917	.6139	.5792	.5782	.3768	.3549	.3521	.3530	.3698	.3625	.2861	.3170	.2533	.2957
42 ABDOMINAL EXT CIRC	.2193	.8855	.6116	.5288	.5431	.3968	.3601	.3601	.3652	.3745	.3734	.2890	.3365	.2659	.2899
43 HIP C-7""BLW WAIST	.1547	.8404	.6300	.5226	.5658	.4224	.2660	.2652	.2738	.2829	.2805	.2097	.2523	.1989	.2193
44 HIP C-9""BLW WAIST															
45 UPPER THIGH CIRCUM															

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 KNEE CIRCUMFERENCE	.1451	.8194	.5641	.4102	.4439	.4543	.3855	.3853	.3905	.3932	.4021	.3297	.3526	.3011	.3181
47 CALF CIRCUM, RIGHT	.0474	.7524	.4877	.3428	.3748	.4347	.2955	.2944	.2897	.2949	.3011	.2444	.2465	.2147	.2451
48 CALF CIRCUM, LEFT	.0609	.7473	.4810	.3331	.3502	.4297	.2395	.2978	.2918	.2953	.3041	.2478	.2493	.2170	.2496
49 ANKLE CIRCUMFERENCE	.0234	.5913	.3196	.1758	.2255	.3184	.3541	.3538	.3481	.3434	.3546	.3097	.2866	.2636	.2578
50 VERTICAL TRUNK GIR	.2723	.7872	.4110	.3746	.3568	.2418	.6186	.6189	.6120	.6381	.6168	.5416	.5013	.4254	.4369
51 VERTICAL TRK C,SIT	.2354	.7370	.3541	.3231	.3267	.1937	.6787	.6807	.6744	.6962	.6715	.6013	.5608	.4900	.4805
52 BUTTOCK CIRC, SIT	.2765	.9040	.5975	.5490	.5708	.3781	.3804	.3807	.3881	.4043	.3985	.3095	.3606	.2817	.3221
53 SCYE CIRCUMFERENCE	.2618	.7763	.4951	.5326	.4872	.2411	.3546	.3652	.3735	.4077	.3862	.3061	.3417	.2853	.3193
54 AXILLARY ARM CIRC	.2379	.7934	.6673	.6815	.6372	.3496	.1542	.1645	.1739	.1839	.1905	.1067	.1459	.0829	.1143
55 BICEPS C,RELAXED,R	.2879	.8026	.7174	.6318	.5952	.4253	.1410	.1405	.1493	.1674	.1699	.0859	.1198	.0596	.1076
56 BICEPS C,FLEXED, R	.2928	.8054	.5919	.6058	.5650	.4024	.1527	.1522	.1700	.1893	.1928	.1040	.1389	.0870	.1269
57 BICEPS C,RELAXED, L	.2985	.8063	.7093	.6339	.5923	.4281	.1361	.1346	.1440	.1652	.1643	.0889	.1221	.0581	.1077
58 BICEPS C,FLEXED, L	.3068	.8047	.6855	.6085	.5643	.4135	.1556	.1544	.1652	.1828	.1838	.1050	.1390	.0809	.1222
59 ELBOW CIRC, FLEXED	.1313	.5722	.3007	.2802	.2985	.1917	.4113	.4109	.4161	.4251	.4301	.3806	.3833	.3704	.3890
60 FOREARM C, RELAXED	.1944	.8077	.5595	.4838	.4794	.3363	.3087	.3083	.3155	.3334	.3377	.2627	.2751	.2355	.2670
61 FOREARM C, FLEXED	.1752	.7793	.5373	.4658	.4724	.3222	.3071	.3069	.3147	.3267	.3351	.2617	.2718	.2425	.2635
62 WPIST CIRCUMFERENCE	.1017	.6456	.3080	.2730	.3119	.1794	.4532	.4547	.4502	.4517	.4542	.4125	.3954	.3667	.3662
63 BIACROMIAL BREADTH	.1485	.4951	.1491	.1558	.1404	.0306	.4563	.4561	.4518	.4174	.4542	.4125	.4090	.3862	.4010
64 BIDELOID BREADTH	.2266	.7980	.5292	.5563	.5298	.2543	.3016	.3008	.3038	.3224	.3179	.2409	.2733	.2194	.2517
65 CHEST BREADTH	.2315	.7008	.4016	.4719	.4234	.1856	.2783	.2800	.2764	.3135	.2915	.2318	.2416	.1959	.2278
66 BUST PT-BUST PT BR	.1580	.5860	.3570	.4146	.4401	.1582	.2108	.2098	.2153	.2353	.2387	.1540	.2106	.1790	.1956
67 WAIST BREADTH	.1461	.7676	.4691	.5353	.5728	.2531	.3288	.3308	.3425	.3592	.3440	.2659	.2927	.2560	.2949
68 HIP BREADTH	.1944	.7704	.5297	.4251	.4439	.3542	.3483	.3480	.3490	.3501	.3498	.2758	.3182	.2528	.2757
69 THIGH-THIGH BR,SIT	.2729	.7830	.5906	.4761	.4800	.4139	.2395	.2409	.2466	.2559	.2474	.1700	.2116	.1356	.1752
70 HUMERAL BREADTH, R	.1371	.5382	.2022	.1184	.1974	.0984	.4862	.4883	.4831	.4837	.4958	.4380	.4417	.4281	.3963
71 HUMERAL BREADTH, L	.1050	.5439	.2140	.1146	.1983	.1130	.4913	.4937	.4926	.4934	.5006	.4453	.4461	.4336	.4053
72 FEMORAL BREADTH, R	.1151	.4869	.2818	.2059	.2391	.1852	.3381	.3423	.3442	.3434	.3488	.2906	.3083	.2870	.2573
73 FEMORAL BREADTH, L	.1362	.5147	.2990	.2199	.2498	.1961	.3458	.3498	.3517	.3536	.3556	.2958	.3161	.2937	.2691
74 CHEST DEPTH	.2919	.7440	.5110	.6114	.5773	.2572	.2268	.2287	.2453	.2639	.2552	.1634	.2353	.1740	.2132
75 WAIST DEPTH	.2892	.7364	.4984	.6085	.5661	.2742	.1924	.1919	.2101	.2298	.2180	.1357	.1810	.1092	.1886
76 ABDOMINAL EXT DPTH	.2887	.7911	.5733	.6371	.5936	.3552	.2078	.2081	.2249	.2457	.2307	.1564	.2095	.1173	.2119
77 BUTTOCK DEPTH	.1638	.8048	.5983	.5772	.5373	.3920	.2378	.2386	.2496	.2711	.2642	.1887	.2429	.1727	.2344
78 THIGH CLEARANCE	.0092	.7135	.4131	.3293	.4164	.3059	.4312	.4359	.4472	.4430	.4536	.3991	.4435	.4125	.4284
79 SHOULDER LENGTH	.0277	.2734	.0379	.0322	.0404	.0326	.3655	.3658	.3733	.3757	.3529	.3105	.3352	.3247	.3246
80 NECK-BUST POINT L	.3114	.5725	.3635	.4064	.4206	.1506	.2548	.2662	.2710	.2581	.2575	.0317	.2244	.1623	.1651
81 STRAP LENGTH	.3256	.6545	.4106	.4479	.4432	.1721	.3235	.3225	.3157	.3058	.3202	.0935	.2605	.2000	.2100
82 INTERSCYE	.1938	.5341	.3018	.3636	.3401	.1108	.1880	.1900	.1905	.2039	.1931	.1299	.1644	.1222	.1394
83 INTERSCYE, MAXIMUM	.1707	.5528	.2943	.3244	.3311	.0999	.3517	.3530	.3516	.3553	.3432	.2774	.3217	.2753	.2406
84 BACK CURVATURE	.1654	.6064	.3584	.4307	.3560	.2133	.2359	.2380	.2469	.2699	.2407	.1837	.2014	.1695	.2092
85 WAIST BACK	.0095	.2983	.0206	.0340	.0363	.0120	.5934	.5884	.6090	.5564	.5407	.5110	.3947	.4183	.3721
86 ANTERIOR WAIST LTH	.0466	.4589	.2178	.1965	.2580	.1401	.4575	.4573	.4573	.4369	.4360	.4136	.2168	.2722	.2685
87 SLEEVE INSEAM	.0828	.2682	.0556	.0810	.0297	.0570	.7074	.7082	.7281	.7108	.7170	.7224	.7369	.7487	.7422
88 SPINE-TO-SCYE LGTH	.1509	.4298	.1838	.1981	.2333	.0413	.2591	.2609	.2576	.2644	.2522	.1978	.2283	.2021	.1711
89 SPINE-TO-ELBOW LTH	.1274	.5689	.1777	.1386	.1784	.0373	.6793	.6807	.6783	.6623	.6758	.6262	.6500	.6408	.6295
90 SPINE-TO-WRIST LTH	.0770	.5661	.1328	.1011	.1446	.0084	.7579	.7602	.7579	.7563	.7670	.7305	.7501	.7483	.7417

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91 HAND LENGTH	.0802	.3830	.0685	-.0197	.0496	-.0684	.0013	.6047	.6039	.5923	.6085	.5699	.6027	.6039	.5989
92 HAND BREADTH	.1399	.4171	.0574	.0455	.0840	.0021	.3736	.3814	.3757	.3757	.3774	.3341	.3341	.3324	.3285
93 HAND CIRCUMFERENCE	.1375	.4920	.1543	.1240	.1684	.0459	.3648	.3666	.3636	.3684	.3744	.3214	.3214	.3080	.3000
94 FOOT LENGTH	.0255	.5100	.0522	.0385	.1002	-.0213	.0916	.0959	.6966	.6837	.6960	.6457	.6796	.6609	.6575
95 FOOT BREADTH	.0066	.3926	.0522	.0400	.0659	.0305	.3254	.3545	.3460	.3494	.3568	.3411	.3407	.3199	.3437
95 HEAD LENGTH	.1177	.3039	.0530	.0210	.0216	.0352	.3184	.3214	.2990	.2977	.3067	.2840	.2968	.2833	.2868
97 HEAD BREADTH	.1935	.2896	.1556	.1323	.1416	.0902	.1350	.1366	.1212	.1339	.1171	.0851	.1225	.0901	.0955
98 HEAD CIRCUMFERENCE	.0945	.4028	.1057	.0987	.0968	.0630	.3306	.3346	.3084	.3108	.3190	.2844	.3057	.2804	.3175
99 TRAGION-TO-HEAD	.0668	.2217	.0597	.0700	.0631	.0591	.2445	.2419	.2079	.2054	.2143	.1899	.2050	.1933	.2158
100 ECTOCANTHUS-TO-HEAD	.0606	.1678	.0129	.0122	.0109	.0107	.2352	.2332	.1976	.1969	.2110	.1938	.1942	.1924	.2127
101 PRONASALE-TO-HEAD	.0961	.1454	.0134	-.0193	-.0265	-.0110	.2404	.2378	.1992	.1953	.2112	.1924	.1925	.1896	.1889
102 SUBNASALE-TO-HEAD	.0694	.1832	.0141	-.0014	-.0194	.0001	.2857	.2841	.2445	.2412	.2588	.2411	.2345	.2298	.2392
103 STOMION-TO-HEAD	.0575	.1859	.0041	-.0143	-.0209	-.0073	.2941	.2923	.2541	.2473	.2694	.2447	.2456	.2461	.2499
104 MENTON-TO-HEAD	.0549	.2722	.0331	.0033	.0060	.0128	.3592	.3577	.3157	.3148	.3347	.3087	.3018	.3027	.3147
105 TRAGION TO MALL	.0862	.2041	.0734	.0050	.0809	.0380	.1773	.1775	.1876	.1877	.1855	.1869	.1875	.1841	.1950
105 ECTOCANTHUS-MALL	.1376	.2912	.0923	.0987	.0860	.0265	.2412	.2413	.2439	.2427	.2470	.2355	.2410	.2225	.2582
107 PRONASALE TO MALL	.1460	.3442	.0932	.1037	.0994	.0467	.2797	.2814	.2887	.2871	.2898	.2685	.2851	.2680	.2915
105 SUBNASALE TO MALL	.0837	.3111	.0818	.1195	.1037	.0366	.2300	.2327	.2451	.2445	.2483	.2360	.2527	.2375	.2729
103 LIP PROTRUSION-MALL	.0691	.2690	.0843	.1209	.1046	.0264	.1029	.1651	.1843	.1847	.1862	.1790	.2007	.1874	.2309
110 MENTON TO MALL	.1446	.3033	.1317	.1374	.1620	.0712	.1058	.1083	.1362	.1460	.1552	.1224	.1449	.1271	.1631
111 SAGITTAL CURVATURE	.0961	.2369	.0353	.0333	-.0252	.0412	.2739	.2802	.2448	.2422	.2440	.2253	.2175	.1956	.1993
112 BITRIGULAR-CORONAL	.0666	.3030	.1244	.1292	.1240	.0830	.2431	.2430	.2138	.2188	.2158	.1797	.2110	.1945	.2142
113 BILOCULAR BREADTH	.0864	.2341	.0812	.0644	.1184	-.0220	.1918	.1959	.2028	.1943	.2018	.1768	.2112	.2039	.1844
114 BILOCULAR BREADTH	.1233	.2160	.1153	.1042	.0501	.0283	.1515	.1523	.1378	.1456	.1435	.1334	.1351	.1103	.1259
115 BITRIGONAL BREADTH	.2453	.3919	.2076	.2066	.1609	.1106	.2282	.2280	.2208	.2366	.2221	.1881	.2220	.1861	.1927
116 BIZYGOMATIC BREADTH	.0888	.3550	.2067	.1893	.2344	.1310	.1986	.1992	.2029	.2063	.2026	.1616	.2000	.1855	.1479
117 BIGONIAL BREADTH	.1404	.3466	.2353	.2210	.2723	.0909	.1424	.1444	.1525	.1581	.1456	.0981	.1496	.1300	.0902
118 NASAL BREADTH	.0633	.1000	.0470	.0543	.0058	-.0991	.0321	.0347	.0412	.0405	.0567	.0488	.0653	.0718	.1097
119 LIP LENGTH	.0438	.0830	.0487	.0120	.0088	-.0681	.0006	.0671	.0735	.0643	.0716	.0484	.0933	.0937	.0834
120 MENTON-SUBNASALE L	.0370	.2107	.0517	.0417	.0340	-.0043	.1312	.1832	.1692	.1756	.1803	.1636	.1623	.1611	.1812
121 MENTON-SELLION LTH	.1685	.2645	.0541	.0352	.0252	-.0245	.2073	.2588	.2535	.2488	.2564	.2215	.2252	.2158	.2237
122 SUBNASALE-SELLION	.2585	.1655	.0307	.0033	-.0275	.0110	.1737	.1901	.1681	.1604	.1622	.1320	.1382	.1276	.1163
123 EAR LENGTH	.2714	.2804	.1223	.1370	.0826	.0686	.1752	.1766	.1608	.1633	.1708	.1401	.1488	.1050	.1418
124 EAR BREADTH	.1369	.1392	.0421	.0287	.0100	-.0192	.1037	.1056	.1010	.1024	.1083	.1008	.1069	.1011	.1185
125 GRIP STRENGTH	.1501	.3609	.0941	.0642	.0639	-.0223	.2952	.2981	.2880	.2953	.2998	.2528	.2537	.2534	.2369
139 STATURE REPORTED	.0392	.5524	.0979	.0306	.1310	.0312	.9534	.9534	.9477	.9332	.9419	.8921	.8889	.8731	.8317
140 WEIGHT REPORTED	.2545	.9634	.5565	.5418	.5513	.3514	.5498	.5506	.5242	.5663	.5671	.4753	.5109	.4459	.4706

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-.0346	-.0499	-.0029	-.0553	.0437	-.0022	.0999	.0909	.1089	.1342	.1445	.0457	-.0725	.0860	.0633
2 WEIGHT	.4676	.3656	.4079	.4305	.1577	.2464	.4516	.4813	.4478	.4973	.3861	.1603	.3701	.5651	.6941
3 TRICEPS SKINFOLD	.0854	.0173	.0473	.0358	-.0088	.0838	.0910	.1045	.1115	.1468	.2243	.0968	.0148	.2247	.2895
4 SUBSCAPULAR SKINFOLD	.0564	-.0209	.0060	.0004	.0481	.0377	.0175	.0260	.0203	.0944	.1900	.0397	-.0127	.1813	.2251
5 SUPRAILAC SKINFOLD	.1443	.0701	.0906	.0920	.0291	.0886	.0802	.0896	.0965	.1198	.1785	.0710	.1015	.2328	.2843
6 MEDIAL CALF SKINFOLD	.0399	-.0093	-.0129	.0070	.0657	.0516	.0254	.0403	.0441	.0645	.1072	.0751	-.0062	.1206	.1827
7 STATURE	.8475	.8252	.7866	.8491	.3062	.4258	.7824	.8006	.7372	.7164	.4041	.2036	.7276	.6530	.7687
8 STATURE, MAXIMUM	.8489	.8245	.7887	.8537	.3067	.4249	.7832	.8028	.7399	.7187	.4078	.2048	.7300	.6546	.7701
9 CERVICAL HEIGHT	.8659	.8389	.8149	.8761	.3276	.4188	.7348	.7527	.6987	.7035	.3983	.1958	.7452	.6729	.7888
10 ACROMIAL HEIGHT	.8591	.8280	.7976	.8650	.3150	.4132	.7106	.7292	.6730	.7206	.3964	.2196	.7364	.6738	.7889
11 SUPRASTERNAL HEIGHT	.8684	.8362	.8091	.8799	.3160	.4225	.7264	.7438	.6881	.6855	.3917	.1723	.7467	.6871	.8001
12 BUST POINT HEIGHT	.8441	.8366	.7859	.8619	.2999	.3944	.6588	.6734	.6183	.6300	.3407	.1440	.7308	.6542	.7556
13 WAIST HEIGHT	.8895	.8642	.8315	.9093	.3142	.4081	.5960	.6069	.5623	.5983	.4163	.0447	.7622	.7098	.8093
14 ABDOMINAL EXT HGT	.8946	.8735	.8350	.9185	.2802	.4088	.5490	.5591	.5134	.5046	.3095	.0039	.7797	.7001	.7943
15 TROCHANTERIC HEIGHT	.8604	.7851	.7851	.9015	.2554	.3798	.4932	.5065	.4556	.4699	.2827	-.0452	.7499	.6966	.7977
16 BUTTOCK HEIGHT	.8852	.8132	.9066	.9066	.3043	.3993	.4716	.4819	.4369	.4417	.2627	-.0437	.7813	.7125	.8101
17 GLUTEAL FURROW HGT	.8852	.8083	.8839	.8839	.3074	.3634	.4353	.4448	.3994	.4022	.2177	-.0870	.7413	.6554	.7380
18 TIBIALE HEIGHT	.8192	.8083	.8424	.8424	.3136	.3738	.4499	.4527	.4203	.4130	.2356	-.0381	.7367	.6125	.6949
19 CROTCH HEIGHT	.9066	.8839	.8424	.8424	.3136	.3738	.4499	.4527	.4203	.4130	.2356	-.0381	.7367	.6125	.6949
20 ANKLE HEIGHT	.3043	.3074	.3830	.3830	.2155	.2155	.4553	.4672	.4227	.4158	.2225	-.0905	.7881	.7154	.8112
21 LAT'L MALLEOLUS HT	.3993	.3634	.3830	.3830	.2155	.2155	.4553	.4672	.4227	.4158	.2225	-.0905	.7881	.7154	.8112
22 SITTING HT, RELAXED	.4716	.4353	.4499	.4572	.2121	.2103	.3286	.3322	.3144	.3144	.2103	.0952	.3621	.2561	.2561
23 SITTING HEIGHT	.4819	.4448	.4527	.4653	.2121	.2103	.3286	.3322	.3144	.3144	.2103	.0952	.3621	.2561	.2561
24 EYE HEIGHT, SITTING	.4369	.3994	.4203	.4227	.1765	.1765	.3384	.3584	.3214	.3214	.1765	.5384	.3951	.2914	.4020
25 MIDSHOULDER HT, SIT	.4417	.4022	.4130	.4158	.2118	.2118	.3951	.3982	.3590	.3615	.1708	.0483	.5588	.5588	.8655
26 WAIST HGT, SITTING	.2627	.2177	.2356	.2225	.1164	.1370	.5439	.5564	.5694	.5694	.1708	.0483	.5588	.5588	.8655
27 ELBOW REST HEIGHT	-.0437	-.0870	-.0381	-.0905	-.0055	.0952	.5384	.5454	.579	.6458	.4264	-.0483	.5588	.5588	.8655
28 POPLITEAL HEIGHT	.7813	.7413	.7367	.7881	.2534	.3621	.3951	.3982	.3590	.3615	.1708	.0483	.5588	.5588	.8655
29 BUTTOCK-POPLIT'L	.7125	.6554	.6125	.7154	.1888	.2561	.2914	.3213	.2914	.2888	.1670	-.1278	.5588	.5588	.8655
30 BUTTOCK-KNEE LENGTH	.8101	.7380	.6949	.8112	.2380	.2873	.4020	.4308	.3925	.4020	.2521	-.0705	.6526	.6526	.8655
31 ACROMION-RADIALE L	.7384	.7102	.6426	.7492	.1787	.3212	.4306	.4489	.4092	.4163	.2539	-.1339	.6293	.5977	.6820
32 RADIALE-STYLION L	.6873	.6746	.6990	.7164	.3812	.2123	.3513	.3785	.3214	.3470	.1719	-.1232	.6147	.5583	.6331
33 THUMB-TIP REACH	.6369	.6193	.6079	.6556	.2748	.2477	.3898	.3932	.3333	.3935	.1638	-.0831	.5689	.5149	.6037
34 THUMB-TIP, EXTENDED	.5781	.5759	.5504	.6088	.2724	.2184	.3917	.4192	.3843	.3882	.2572	-.0117	.4839	.4885	.5805
35 OVERHEAD REACH	.7861	.7708	.7336	.8126	.3319	.3129	.5937	.6154	.5505	.5683	.3107	.0603	.6707	.6224	.7393
36 NECK CIRCUMFERENCE	.2952	.2153	.2464	.2643	.0954	.1517	.2909	.3120	.2866	.3336	.2844	.0606	.2304	.3909	.4825
37 SHOULDER CIRCUMFER	.2488	.1983	.2599	.2828	.2659	.1294	.3050	.3256	.2875	.3326	.2447	.0947	.2110	.2593	.3499
38 CHEST CIRC AT SOVE	.2546	.1860	.2223	.2165	.1350	.1271	.2571	.2817	.2630	.3127	.2886	.0653	.1809	.3491	.4388
39 BUST CIRCUMFERENCE	.2378	.1625	.1975	.1998	.1042	.1276	.2246	.2386	.2293	.2814	.2588	.0739	.1724	.3450	.4258
40 CHEST C BELOW BUST	.2515	.1876	.2197	.2118	.1353	.1353	.2430	.2628	.2403	.3069	.2382	.1013	.1894	.3530	.4374
41 WAIST CIRCUMFERENCE	.2743	.1894	.2036	.2206	.1202	.1163	.2119	.2359	.2046	.2966	.2009	.0648	.1860	.3888	.4736
42 ABDOMINAL EXT CIRC	.2142	.1333	.1513	.1468	.0769	.1010	.2265	.2463	.2425	.2960	.3105	.1212	.1238	.3491	.4250
43 HIP C-7""BLW WAIST	.3058	.2082	.2442	.2357	.0759	.1523	.3148	.3448	.3272	.3815	.3305	.1458	.2087	.4791	.5772
44 HIP C-9""BLW WAIST	.2839	.1825	.2510	.2456	.0951	.1338	.3550	.3825	.3627	.4062	.3792	.1750	.2011	.4775	.5829
45 UPPER THIGH CIRCUM	.2347	.1477	.2035	.1916	.0348	.1225	.2417	.2686	.2562	.3053	.3088	.1432	.1677	.4232	.5130

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 KNEE CIRCUMFERENCE	.3304	.2349	.2916	.2984	.1102	.2249	.3396	.3656	.3432	.3732	.2984	.1564	.2460	.4379	.5554
47 CALF CIRCUM, RIGHT	.2212	.1564	.2001	.2030	.0106	.1843	.2856	.3118	.2853	.2999	.2202	.1082	.1931	.3065	.4466
48 CALF CIRCUM, LEFT	.2277	.1619	.1964	.2058	.0005	.1778	.2862	.3127	.2890	.3019	.2251	.1049	.1962	.3095	.4460
49 ANKLE CIRCUMFERENCE	.2482	.1982	.2812	.2442	.0963	.2109	.3480	.3770	.3437	.3639	.2400	.1663	.2244	.2512	.3835
50 VERTICAL TRUNK CIR	.3989	.3249	.3638	.3647	.1860	.2411	.6777	.7063	.6713	.7511	.4899	.4288	.2969	.4415	.5580
51 VERTICAL TRK C, SIT	.4567	.3871	.4165	.4200	.2041	.2748	.7413	.7698	.7307	.8176	.5337	.4804	.3508	.4347	.5556
52 BUTTOCK CIRC, SIT	.3221	.2092	.2691	.2742	.1073	.1417	.3611	.3849	.3672	.4160	.3811	.1631	.2262	.4841	.5930
53 SCYE CIRCUMFERENCE	.3236	.2534	.2790	.2884	.1602	.1664	.3173	.3382	.3198	.3933	.3249	.1156	.2405	.3896	.4838
54 AXILLARY ARM CIRC	.1454	.0602	.1058	.0964	.0925	.1024	.1827	.2005	.1910	.2412	.2754	.0761	.0794	.2975	.3753
55 BICEPS C, RELAXED, R	.1163	.0343	.0703	.0738	.0340	.0831	.1554	.1743	.1620	.2199	.2351	.0885	.0582	.2941	.3821
56 BICEPS C, FLEXED, R	.1420	.0543	.0918	.0960	.0362	.0984	.1670	.1861	.1738	.2309	.2306	.0905	.0843	.3100	.3982
57 BICEPS C, RELAXED, L	.1155	.0343	.0744	.0734	.0462	.0743	.1436	.1644	.1499	.2159	.2356	.0739	.0507	.2981	.3803
58 BICEPS C, FLEXED, L	.1356	.0539	.0967	.0915	.0579	.0921	.1551	.1764	.1633	.2248	.2268	.0759	.0750	.3084	.3927
59 ELBOW CIRC, FLEXED	.3753	.3314	.3467	.3662	.1611	.2171	.3073	.3291	.2962	.3262	.2177	.0615	.3237	.3568	.4599
60 FOREARM C, RELAXED	.2619	.1913	.2330	.2378	.1026	.1713	.2716	.2979	.2637	.3272	.2413	.0860	.2206	.3481	.4688
61 FOREARM C, FLEXED	.2554	.1968	.2423	.2409	.1033	.1684	.2656	.2909	.2597	.3096	.2306	.0827	.2233	.3405	.4607
62 WRIST CIRCUMFERENCE	.3714	.2980	.3486	.3581	.1818	.2648	.4009	.4271	.3984	.4066	.2649	.1224	.3533	.3391	.4601
63 BIACROMIAL BREADTH	.3630	.3406	.3615	.3800	.1513	.3744	.3844	.3386	.3230	.1982	.1982	.0830	.3269	.3441	.4233
64 BIODELTOID BREADTH	.2638	.1818	.2386	.2232	.1356	.1244	.2702	.2888	.2657	.3153	.2755	.0645	.2062	.3687	.4602
65 CHEST BREADTH	.2313	.1656	.1938	.2085	.0746	.1049	.2478	.2671	.2745	.2944	.2725	.1069	.1548	.3202	.3949
66 BUST PT-BUST PT BR	.2127	.1504	.1763	.1808	.0453	.1191	.1620	.1674	.1597	.1605	.1666	.0075	.1680	.2777	.3379
67 WAIST BREADTH	.3202	.2412	.2549	.2773	.1446	.1223	.2595	.2774	.2338	.3381	.1577	.0799	.2489	.3756	.4686
68 HIP BREADTH	.2515	.1752	.2372	.2248	.0913	.1023	.3545	.3792	.3705	.3856	.3592	.1865	.1806	.4260	.5266
69 THIGH-THIGH BR, SIT	.1684	.0697	.1336	.1296	.0405	.0701	.2826	.3086	.3028	.3404	.3531	.2034	.0851	.3550	.4505
70 HUMERAL BREADTH, R	.3853	.3447	.3848	.3919	.1537	.3035	.4159	.4401	.4184	.3989	.2755	.1444	.3567	.3586	.4512
71 HUMERAL BREADTH, L	.4015	.3568	.3891	.4032	.1700	.2947	.4143	.4371	.4059	.4136	.2581	.1429	.3625	.3680	.4599
72 FEMORAL BREADTH, R	.2874	.2258	.2925	.2787	.1100	.2622	.2976	.3133	.3296	.2679	.2400	.1385	.2394	.2879	.3573
73 FEMORAL BREADTH, L	.2969	.2325	.2956	.2889	.0974	.2659	.3022	.3197	.3334	.2812	.2432	.1418	.2501	.2975	.3715
74 CHEST DEPTH	.2354	.1568	.1842	.1910	.1023	.1296	.1776	.1942	.1898	.2386	.2499	.0599	.1648	.3436	.4172
75 WAIST DEPTH	.2056	.1113	.1302	.1444	.0836	.0895	.1573	.1741	.1530	.2487	.2262	.0669	.1268	.3310	.3965
76 ABDOMINAL EXT DPTH	.2371	.1300	.1469	.1710	.0791	.0970	.1511	.1768	.1715	.2425	.2488	.0689	.1293	.3983	.4734
77 BUTTOCK DEPTH	.2460	.1279	.1851	.1874	.0743	.0882	.1955	.2268	.2039	.2838	.2741	.1035	.1493	.4455	.5438
78 THIGH CLEARANCE	.4414	.3642	.4002	.4325	.1056	.2303	.2830	.3199	.3340	.3102	.2629	.0796	.3810	.4775	.5914
79 SHOULDER LENGTH	.2766	.2931	.3059	.3184	.1263	.0773	.2974	.3059	.2898	.2295	.1448	.0950	.2573	.2258	.3008
80 NECK-BUST POINT L	.2002	.1266	.1973	.1555	.1307	.1073	.2882	.2929	.2985	.3038	.2660	.1311	.1318	.2399	.3108
81 STRAP LENGTH	.2424	.1566	.2132	.1849	.1096	.1568	.3467	.3573	.3501	.3436	.2989	.1361	.1591	.2862	.3596
82 INTERSCYE	.1650	.1070	.1484	.1345	.1210	.0829	.1647	.1940	.1873	.2334	.1796	.0493	.1103	.2255	.2732
83 INTERSCYE, MAXIMUM	.2956	.2423	.3362	.2755	.2460	.1373	.3126	.3196	.3193	.3273	.2534	.1109	.2534	.3111	.3757
84 BACK CURVATURE	.2252	.1456	.1340	.1732	.0019	.1160	.2020	.2304	.2188	.2741	.1991	.1008	.1587	.2743	.3434
85 WAIST BACK	.3494	.3502	.3420	.3725	.1603	.2342	.6149	.6570	.6042	.6428	.0972	.3667	.3105	.2413	.3232
86 ANTERIOR WAIST LTH	.2946	.2403	.2580	.2646	.1255	.2024	.5188	.5310	.5063	.4954	.1177	.3229	.2423	.2497	.3290
87 SLEEVE INSEAM	.7258	.7458	.7332	.7751	.3817	.2264	.3743	.3885	.3255	.3354	.1507	.2081	.6372	.5672	.6452
88 SPINE-TO-SCYE LGTH	.2133	.1692	.2230	.1900	.1110	.1428	.2391	.2449	.2452	.2591	.1802	.1014	.1993	.2073	.2574
89 SPINE-TO-ELBOW LTH	.6126	.5929	.5821	.6293	.3236	.2581	.4857	.4987	.4579	.4412	.2935	.0863	.5400	.5352	.6385
90 SPINE-TO-WRIST LTH	.7277	.7082	.7052	.7527	.3061	.2732	.4848	.5010	.4486	.4537	.2764	.1147	.6489	.6148	.7192

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91 HAND LENGTH	.5724	.5458	.4984	.5051	.0523	.3095	.4024	.4145	.3831	.3602	.1903	.0126	.5569	.4470	.5145
92 HAND BREADTH	.3149	.2765	.3134	.3282	.1575	.2093	.3035	.3136	.2922	.2975	.1026	.0638	.3392	.2637	.3445
93 HAND CIRCUMFERENCE	.3060	.2503	.3025	.2993	.1494	.2249	.2983	.3187	.2856	.3128	.1652	.0850	.3117	.2641	.3617
94 FOOT LENGTH	.5371	.6022	.6111	.6544	.2709	.2720	.4847	.5088	.4501	.4551	.2704	.0370	.5915	.5239	.6262
95 FOOT BREADTH	.3002	.2842	.2916	.3108	.1751	.1548	.2536	.2703	.2184	.2550	.1379	.0091	.2808	.2876	.3608
96 HEAD LENGTH	.2701	.2416	.2237	.2795	.0321	.1522	.2684	.2746	.2288	.2081	.1399	.0402	.2528	.2489	.2962
97 HEAD BREADTH	.1061	.0874	.1010	.0888	.0013	.0881	.1238	.1356	.1035	.1292	.0374	.0868	.1112	.1397	
98 HEAD CIRCUMFERENCE	.2760	.2506	.2513	.2945	.0949	.1164	.2729	.2943	.2135	.2409	.1342	.0206	.2353	.2927	.3444
99 TRAGION-TOP HEAD	.1769	.1868	.1741	.1905	.1098	.0719	.2254	.2320	.1313	.1513	.0841	.0053	.1365	.1770	.2141
100 ECTOCANTHUS-TOP HD	.1629	.1778	.1713	.1904	.1218	.0750	.2080	.2110	.0795	.1308	.0011	.0192	.1369	.1605	.1946
101 PRONASALE-TOP HEAD	.1452	.1564	.1737	.1764	.1002	.0928	.2258	.2269	.1095	.1372	.0741	.0086	.1233	.1511	.1640
102 SUBNASALE-TOP HEAD	.1848	.1954	.2111	.2174	.1409	.1152	.2621	.2688	.1434	.1808	.1002	.0006	.1596	.1785	.2076
103 STOMION-TOP HEAD	.2057	.2057	.2208	.2562	.1333	.1025	.2621	.2647	.1452	.1758	.0859	.0011	.1849	.1915	.2259
104 MENTON-TOP HEAD	.2607	.2455	.2523	.2891	.1049	.1432	.3135	.3203	.2014	.2273	.1065	.0071	.2334	.2480	.2912
105 TRAGION TO WALL	.1840	.1797	.1882	.1942	.1502	.0504	.0998	.1143	.0909	.1280	.0063	.0453	.1354	.2126	.2387
106 ECTOCANTHUS-WALL	.2126	.2200	.2216	.2441	.1241	.0921	.1621	.1837	.1402	.1800	.1012	.0460	.1697	.2547	.2961
107 PRONASALE TO WALL	.2511	.2482	.2586	.2692	.1514	.0901	.2015	.2214	.1948	.2196	.1246	.0193	.2159	.2793	.3278
108 SUBNASALE TO WALL	.2330	.2304	.2398	.2565	.1534	.0468	.1343	.1537	.1332	.1617	.0860	.0468	.2023	.2736	.3150
109 LIP PROTRUSION-WALL	.1933	.1918	.1895	.2163	.1188	.0064	.0567	.0781	.0700	.1007	.0430	.0748	.1649	.2421	.2820
110 MENTON TO WALL	.1355	.1355	.1453	.1453	.1033	.0031	.0373	.0543	.0601	.1067	.0660	.0470	.1167	.2030	.2325
111 SAGITTAL CURVATURE	.1647	.1724	.1982	.1960	.1913	.0808	.2904	.3113	.2148	.2510	.1441	.0738	.1117	.1702	.1967
112 BITRAGION-CORONAL	.1903	.1707	.1648	.1969	.0271	.0909	.2147	.2325	.1544	.1748	.0974	.0151	.1561	.2124	.2403
113 BIOLAR BREADTH	.1959	.1543	.1872	.1984	.0325	.1069	.1137	.1156	.1084	.0909	.0792	.0257	.2150	.2086	.2207
114 BIAURICULAR BREADTH	.0989	.0878	.1140	.0997	.0538	.0243	.1986	.1620	.1231	.1577	.1108	.0221	.0494	.1155	.1302
115 BITRAGION BREADTH	.1808	.1517	.1784	.1735	.0750	.1252	.1928	.2036	.1696	.2129	.1600	.0407	.1492	.1968	.2446
116 BIZYGOMATIC BREADTH	.1921	.1453	.1774	.1717	.0193	.1602	.1437	.1464	.1414	.1289	.1152	.0507	.1895	.1915	.2344
117 BIGONIAL BREADTH	.1496	.0932	.1198	.1125	.0173	.1235	.1243	.1277	.1383	.1379	.1280	.0797	.1435	.1434	.1800
118 NASAL BREADTH	.0899	.0699	.0837	.1140	.0664	.0350	.0811	.0660	.0901	.0681	.0747	.1270	.1158	.1374	.1366
119 LIP LENGTH	.0997	.0669	.0896	.1047	.0263	.0152	.0034	.0059	.0052	.0221	.0222	.0246	.1366	.1144	.1200
120 MENTON-SUBNASALE L	.1636	.1232	.1084	.1669	.0058	.0362	.1448	.1554	.1383	.1323	.0534	.0235	.1373	.1690	.2028
121 MENTON-SELLION LTH	.2019	.1576	.1733	.2047	.0295	.1177	.2378	.2484	.2404	.2024	.1052	.0528	.1847	.1800	.2113
122 SUBNASALE-SELLION	.1039	.0803	.1252	.1065	.0799	.0667	.1732	.1913	.1881	.1481	.0081	.0575	.0993	.0913	.1039
123 EAR LENGTH	.1200	.0875	.1167	.1103	.0748	.0550	.1499	.1677	.1301	.1537	.1113	.0152	.0962	.1670	.1847
124 EAR BREADTH	.1010	.0656	.1049	.0999	.0933	.0404	.0673	.0679	.0499	.0608	.0210	.0464	.0831	.1268	.1428
125 GRIP STRENGTH	.2289	.2152	.2467	.2465	.1405	.0984	.2435	.2522	.2317	.2488	.1165	.0354	.2163	.2081	.2802
129 STATURE REPORTED	.8220	.7982	.7678	.8385	.3027	.4110	.7371	.7581	.7023	.6883	.3786	.1828	.7080	.6525	.7683
140 WEIGHT REPORTED	.4740	.3785	.4210	.4421	.1620	.2564	.4036	.4930	.4603	.5081	.3862	.1596	.3628	.5671	.6891

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 AGE	.0466	.0025	.0861	.0366	.0098	.1590	.2330	.2906	.2875	.2649	.2343	.2963	.2302	.2193	.1547
2 WEIGHT	.4412	.3759	.4326	.4221	.4849	.5820	.8350	.8032	.7992	.7902	.8244	.7939	.8917	.8855	.8404
3 TRICEPS SKINFOLD	.0680	.0232	.0843	.0630	.0429	.3058	.5299	.5029	.5249	.4877	.5418	.5881	.6139	.6116	.6300
4 SUBSCAPULAR SKINFOLD	.0375	.0020	.0469	.0637	.0035	.3644	.5815	.6090	.6278	.5720	.5461	.6279	.5792	.5288	.5226
5 SUPRAILAC SKINFOLD	.1082	.0379	.1053	.0625	.0744	.3093	.5398	.5534	.6005	.5384	.6409	.6086	.5782	.5431	.5658
6 MEDIAL CALF SKINFOLD	-.0022	-.0458	.0101	.0233	.0172	.1666	.2443	.2415	.2608	.2450	.2894	.3374	.3768	.3968	.4224
7 STATURE	.7247	.6659	.6462	.6115	.8520	.3187	.3336	.2917	.2565	.2881	.2786	.2451	.3549	.3601	.2660
8 STATURE, MAXIMUM	.7270	.6690	.6465	.6128	.8533	.3175	.3342	.2913	.2566	.2889	.2774	.2426	.3521	.3601	.2652
9 CERVICAL HEIGHT	.7337	.6881	.6618	.6177	.8555	.3160	.3343	.2918	.2631	.2927	.2926	.2457	.3530	.3652	.2738
10 ACROMIAL HEIGHT	.7518	.6771	.6568	.6158	.8579	.3157	.3503	.3161	.2913	.3275	.3130	.2667	.3698	.3745	.2829
11 SUPRASTERNAL HEIGHT	.7353	.6860	.6553	.6137	.8639	.3099	.3570	.3075	.2790	.3083	.2977	.2491	.3625	.3734	.2805
12 BUST POINT HEIGHT	.7067	.6721	.6259	.5979	.8337	.2705	.2715	.2301	.1825	.2532	.2155	.1700	.2851	.2890	.2097
13 WAIST HEIGHT	.7473	.6987	.6522	.6128	.8346	.2538	.3082	.2679	.2377	.2583	.2382	.2152	.3170	.3365	.2523
14 ABDOMINAL EXT HGT	.7479	.6948	.6379	.5936	.8258	.2230	.2634	.2112	.1801	.2022	.1924	.1109	.2533	.2659	.1989
15 TROCHANTERIC HGT	.7506	.6917	.6494	.6235	.8301	.2456	.2947	.2403	.2117	.2478	.2549	.1852	.2857	.2899	.2193
16 BUTTOCK HEIGHT	.7384	.6873	.6369	.5781	.7861	.2488	.2952	.2546	.2378	.2615	.2743	.2142	.3058	.2839	.2347
17 BUTTOCK FURROW HGT	.7102	.6746	.6193	.5759	.7708	.1983	.2153	.1860	.1625	.1876	.1894	.1333	.2082	.1825	.1477
18 TIBIALE HEIGHT	.6426	.6990	.6079	.5504	.7336	.2599	.2464	.2223	.1975	.2197	.2036	.1613	.2442	.2510	.2035
19 CROTCH HEIGHT	.7492	.7164	.6556	.6088	.8126	.2282	.2643	.2165	.1898	.2218	.2206	.1468	.2357	.2456	.1916
20 ANKLE HEIGHT	.1787	.3812	.2748	.2724	.3319	.2659	.0954	.1350	.1042	.1103	.1202	.0769	.0759	.0951	.0348
21 LAT-L MALLEOLUS HT	.3212	.2123	.2477	.2184	.3129	.1294	.1517	.1271	.1276	.1353	.1163	.1010	.1523	.1338	.1225
22 SITTING HT, RELAXED	.4306	.3613	.3898	.3917	.5937	.3050	.2909	.2671	.2245	.2430	.2119	.2265	.3148	.3550	.2417
23 SITTING HEIGHT	.4489	.3785	.3932	.4192	.6154	.3256	.3120	.2817	.2386	.2628	.2359	.2463	.3448	.3825	.2686
24 EYE HEIGHT, SITTING	.4092	.3211	.3333	.3843	.5585	.2875	.2866	.2630	.2273	.2409	.2046	.2425	.3272	.3627	.2562
25 MIDSHOULDER HT, SIT	.4163	.3470	.3935	.3882	.5683	.3326	.3336	.3127	.2814	.3069	.2966	.2960	.3815	.4062	.3053
26 WAIST HGT, SITTING	.2539	.1719	.1638	.2572	.3107	.2447	.2844	.2886	.2588	.2382	.2009	.3105	.3305	.3792	.3088
27 ELBOW REST HEIGHT	-.1339	-.1232	-.0831	-.0117	.0603	.0947	.0506	.0653	.0739	.1013	.0648	.1212	.1458	.1750	.1432
28 POPLITEAL HEIGHT	.6293	.6147	.5699	.4839	.6707	.2110	.2304	.1809	.1724	.1894	.1860	.1238	.2087	.2011	.1677
29 BUTTOCK-POPLIT L	.5977	.5583	.5149	.4885	.6224	.2593	.3909	.3491	.3450	.3530	.3888	.3491	.4791	.4775	.4232
30 BUTTOCK-KNEE LNTH	.6820	.6331	.6037	.5805	.7393	.3499	.4825	.4388	.4258	.4374	.4736	.4250	.5772	.5829	.5130
31 ACROMION-RADIALE L	.6270	.6455	.5850	.5850	.7232	.2298	.3376	.2932	.2695	.2836	.2804	.2200	.2960	.2853	.2142
32 RADIALE-STYLION L	.6270	.6167	.6167	.5938	.6360	.2778	.2387	.2034	.1819	.1914	.2124	.1523	.2540	.2488	.1779
33 THUMB-TIP REACH	.6455	.6167	.5938	.5938	.6360	.2778	.2387	.2034	.1819	.1914	.2124	.1523	.2540	.2488	.1779
34 THUMB-TIP, EXTENDED	.5850	.5761	.5938	.5938	.6360	.2778	.2387	.2034	.1819	.1914	.2124	.1523	.2540	.2488	.1779
35 OVERHEAD REACH	.7232	.6878	.6360	.6118	.6918	.3117	.3055	.2806	.2406	.2647	.2728	.2093	.3003	.3044	.2386
36 NECK CIRCUMFERENCE	.2298	.2955	.2778	.3124	.3055	.3254	.5254	.5307	.5048	.4963	.5378	.4466	.4978	.4728	.4166
37 SHOULDER CIRCUMFER	.3376	.2387	.3124	.3055	.3254	.5254	.5307	.5048	.4963	.4963	.5378	.4466	.4978	.4728	.4166
38 CHEST CIRC AT SOYE	.2932	.2034	.2853	.2806	.2807	.5307	.5307	.5048	.4963	.4963	.5378	.4466	.4978	.4728	.4166
39 BUST CIRCUMFERENCE	.2595	.1819	.2579	.2406	.2423	.5048	.5307	.5048	.4963	.4963	.5378	.4466	.4978	.4728	.4166
40 CHEST C BELOW BUST	.2836	.1914	.2845	.2647	.2733	.4963	.5307	.5048	.4963	.4963	.5378	.4466	.4978	.4728	.4166
41 WAIST CIRCUMFERENCE	.2804	.2124	.2952	.2728	.2690	.5378	.5307	.5048	.4963	.4963	.5378	.4466	.4978	.4728	.4166
42 ABDOMINAL EXT CIRC	.2200	.1523	.2232	.2093	.2044	.4466	.7028	.7149	.7365	.7184	.8102	.8278	.7637	.7159	.8653
43 HIP C-7" BLM WAIST	.2960	.2540	.2898	.3003	.3141	.4978	.7437	.7233	.7220	.7059	.7999	.8278	.7637	.7159	.8653
44 HIP C-9" BLM WAIST	.2853	.2488	.2837	.3044	.3212	.4728	.7171	.6864	.6744	.6612	.7224	.7637	.7637	.7159	.8653
45 UPPER THIGH CIRCUM	.2142	.1779	.2194	.2386	.2229	.4166	.6844	.6411	.6415	.6237	.6830	.7159	.8653	.8937	.8937

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 KNEE CIRCUMFERENCE	2696	2745	3051	3076	3408	4363	6005	5686	5574	5580	6027	6087	7535	7837	7803
47 CALF CIRCUM, RIGHT	2225	1749	2502	2635	2886	3950	5666	5166	4893	5197	5277	5167	6719	6976	7089
48 CALF CIRCUM, LEFT	2238	1764	2461	2760	2929	3888	5579	5036	4772	5144	5185	5164	6706	6947	7020
49 ANKLE CIRCUMFERENCE	2139	2237	2545	2510	3141	3425	4150	3707	3402	3841	3766	3565	4916	5172	4980
50 VERTICAL TRUNK CIR	4085	3483	3885	4249	5310	4845	6056	6354	6232	6017	5997	5974	6962	7171	6187
51 VERTICAL TRK C, SIT	4497	3688	4143	4453	5834	4688	5642	5867	5701	5513	5514	5440	6401	6583	5454
52 BUTTOCK CIRC, SIT	3190	2701	3077	3211	3465	5052	7365	7231	7192	7050	7755	8015	9327	9400	8512
53 SCYE CIRCUMFERENCE	3726	2767	3300	3251	3455	5113	7346	7568	7145	6974	7138	6634	6885	6613	6118
54 AXILLARY ARM CIRC	1500	1052	1811	1808	1526	4978	8007	8022	7765	7083	7556	7404	7538	7287	7220
55 BICEPS C, RELAXED, R	1095	0769	1619	1590	1333	4632	7577	7460	7295	6980	7213	7280	7635	7483	7529
56 BICEPS C, FLEXED, R	1334	1031	1746	1755	1520	4692	7641	7372	7173	6946	7143	7126	7556	7385	7438
57 BICEPS C, RELAXED, L	1139	0940	1658	1732	1337	4903	7642	7501	7275	7009	7338	7417	7706	7575	7570
58 BICEPS C, FLEXED, L	1269	1108	1699	1809	1558	4911	7597	7521	7268	6933	7240	7238	7626	7482	7473
59 ELBOW CIRC, FLEXED	3488	3477	3334	3412	4187	3792	5097	5033	4531	4523	4603	3860	4656	4533	4151
60 FOREARM C, RELAXED	2560	2219	2758	2892	3108	5224	7489	7114	6601	6635	6832	6182	7097	6911	6750
61 FOREARM C, FLEXED	2568	2248	2758	2800	3126	4939	7222	6886	6355	6365	6534	5860	6797	6646	6521
62 WRIST CIRCUMFERENCE	3777	3416	3888	3656	4210	4439	5563	5322	4852	5028	5008	4131	5056	4930	4340
63 BIACROMIAL BREADTH	3569	3656	3686	3759	4596	3882	5815	4741	3702	3969	3816	3139	3817	3962	3199
64 BIELTOID BREADTH	2801	2488	2885	2814	3062	5282	8904	8278	7579	7415	7386	6792	7252	7102	6738
65 CHEST BREADTH	2684	1929	1918	2802	2766	4821	7588	7657	7345	7500	5832	6269	6340	5918	5456
66 BUST PT-BUST PT BR	2830	1604	2012	1884	2102	3401	5595	5812	7197	5577	5689	5152	5099	4728	4637
67 WAIST BREADTH	3021	2381	3422	2811	3102	5083	7191	7154	7064	7283	8864	6995	7213	6679	6220
68 HIP BREADTH	2661	2257	2518	3024	3126	3956	6095	5697	5507	5415	6004	6653	8356	8928	7951
69 THIGH-THIGH BR, SIT	1780	1250	1725	2307	2102	3900	6147	5935	6001	5746	6337	7197	8431	8899	8435
70 HUMERAL BREADTH, R	3759	3357	3532	3653	4364	3354	4548	4205	3875	4078	3636	3187	4150	4134	3565
71 HUMERAL BREADTH, L	3849	3540	3707	3585	4415	3411	4554	4204	3751	4020	3739	3215	4166	4141	3602
72 FEMORAL BREADTH, R	2790	2174	2057	2488	2744	2574	3709	3544	3376	3608	3414	3374	3987	4072	3859
73 FEMORAL BREADTH, L	2918	2181	2186	2557	2813	2671	3956	3746	3569	3878	3653	3612	4270	4335	4096
74 CHEST DEPTH	2579	1752	2393	2206	2425	4545	7019	7576	8796	7531	7372	6975	6766	6283	6023
75 WAIST DEPTH	2220	1388	2412	1835	1757	4848	6705	6892	7228	7048	8453	7481	6947	6347	5952
76 ABDOMINAL EXT DPTH	2250	1504	2413	1934	1785	4831	6846	6960	7333	7096	8137	8218	7766	7189	6890
77 BUTTOCK DEPTH	1979	1766	2427	2573	2340	4455	6706	6495	6600	6325	7067	7061	8202	8086	7955
78 THIGH CLEARANCE	3722	3439	3011	3424	4010	3850	5674	5051	4892	4978	5106	4890	6212	6356	6687
79 SHOULDER LENGTH	2490	2820	2821	3125	3622	1359	3156	2258	1470	1660	1590	1360	1803	2146	1653
80 NECK-BUST POINT L	2228	1506	2082	1941	2486	3320	5146	5497	6420	4838	5374	5252	5035	4986	4454
81 STRAP LENGTH	2534	1851	2426	2270	2638	4525	6127	6297	6996	5557	6158	5804	5761	5580	4970
82 INTERSCYE	1591	1190	2225	1588	1728	3580	6520	6210	5744	5484	5291	4799	4821	4480	4048
83 INTERSCYE, MAXIMUM	2506	2560	2781	2791	2967	3340	5730	5647	4984	5042	4844	4638	4778	4713	4183
84 BACK CURVATURE	2691	1370	2254	1954	2118	3892	6486	6330	6250	6517	5949	5462	5549	5159	4713
85 WAIST BACK	3289	3052	3383	3159	4681	2094	1716	1225	1130	1617	1813	0942	1860	1889	1147
86 ANTERIOR WAIST LTH	2570	2143	2505	2450	3672	2713	3377	3672	3965	3857	3877	3055	3522	3324	2923
87 SLEEVE INSEAM	7304	7879	6786	6341	7498	2125	1501	0939	0722	1014	1209	0500	1501	1552	0899
88 SPINE-TO-SCYE LGTH	1784	1497	2429	1749	1970	2587	4897	4750	4217	4113	3662	3362	3523	3353	3074
89 SPINE-TO-ELBOW LTH	7133	5482	5982	5485	6675	3502	5328	4539	3965	4191	3830	3414	4187	4241	3447
90 SPINE-TO-WRIST LTH	7580	7323	5885	6401	7651	3812	4898	4437	3627	3918	3693	3026	4042	4029	3219

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
91 HAND LENGTH	.5726	.4622	.5233	.4253	.5664	.1674	.2889	.2228	.1906	.2232	.2160	.1432	.2301	.2183	.1622
92 HAND BREADTH	.3293	.3075	.3539	.3079	.3537	.3648	.3547	.3270	.2868	.3131	.2721	.2331	.2822	.2744	.2389
93 HAND CIRCUMFERENCE	.3085	.2978	.3450	.2840	.3376	.3513	.4243	.4213	.3670	.3791	.3684	.2638	.3535	.3416	.3145
94 FOOT LENGTH	.5776	.5887	.5915	.5334	.6602	.3240	.3427	.3050	.2770	.3038	.3197	.2301	.3484	.3505	.2671
95 FOOT BREADTH	.2763	.3132	.3266	.3155	.3711	.2650	.2873	.2572	.2055	.2431	.2592	.1970	.2949	.2970	.2552
95 HEAD LENGTH	.2678	.2193	.2197	.2445	.2762	.1795	.2476	.2078	.2037	.2044	.1491	.1247	.1999	.2138	.1892
97 HEAD BREADTH	.1092	.0928	.1370	.0849	.1147	.2779	.2518	.2405	.2555	.2623	.2672	.2631	.2490	.2379	.2277
98 HEAD CIRCUMFERENCE	.2724	.2949	.2732	.3095	.3283	.5349	.3314	.2825	.2732	.2733	.2813	.2223	.2970	.3103	.2715
99 TRAGION-TOP HEAD	.1492	.1818	.2150	.1820	.2316	.1795	.1530	.1502	.1415	.1443	.1416	.1125	.1495	.1544	.1230
100 ECTOCANTHUS-TOP HD	.1492	.2018	.1974	.1681	.2170	.1252	.1231	.1317	.0831	.0936	.0750	.0358	.0829	.1010	.0740
101 PRONASALE-TOP HEAD	.1606	.1865	.1892	.1563	.2063	.0865	.1104	.0867	.0631	.0762	.0335	.0153	.0633	.0853	.0587
102 SUBNASALE-TOP HEAD	.1874	.2319	.2226	.1985	.2645	.1587	.1404	.1125	.0834	.1013	.0667	.0354	.0937	.1137	.0719
103 STOMION-TOP HEAD	.1950	.2426	.2347	.1961	.2691	.1447	.1378	.1057	.0796	.0937	.0622	.0163	.0884	.1100	.0765
104 MENTON-TOP HEAD	.2493	.2863	.2921	.2501	.3290	.2367	.2062	.1663	.1342	.1542	.1343	.0740	.1619	.1755	.1358
105 TRAGION TO WALL	.1398	.2167	.1604	.2029	.2020	.1828	.1674	.1631	.1646	.1380	.1500	.0935	.1649	.1601	.1345
106 ECTOCANTHUS-WALL	.1935	.2521	.2350	.2615	.2782	.2643	.2390	.2271	.2129	.1966	.2067	.1460	.2259	.2270	.1891
107 PRONASALE TO WALL	.2358	.2801	.2702	.2781	.3053	.2622	.2840	.2707	.2637	.2440	.2352	.1776	.2661	.2638	.2309
108 SUBNASALE TO WALL	.2019	.2635	.2399	.2607	.2826	.2499	.2612	.2463	.2358	.2124	.2287	.1540	.2405	.2337	.2137
109 LIP PROTUSION-WALL	.1690	.2311	.2085	.2315	.2310	.2162	.2326	.2208	.2142	.1868	.2126	.1251	.2088	.1955	.1867
110 MENTON TO WALL	.1333	.1657	.1704	.1725	.1620	.2127	.2913	.2991	.2868	.2632	.2802	.2143	.2670	.2456	.2414
111 SAGITTAL CURVATURE	.1561	.2231	.1623	.2304	.2404	.3121	.1892	.1884	.1521	.1531	.1273	.1133	.1588	.1599	.1371
112 BITRAGION-CORONAL	.1852	.1788	.1803	.1874	.2131	.2292	.2350	.2070	.2126	.2035	.2242	.1813	.2143	.2122	.1941
113 BIOLAR BREADTH	.1877	.1645	.1613	.1039	.1404	.0437	.1819	.1545	.1529	.1653	.1640	.1109	.1613	.1471	.1536
114 BIAURICULAR BREADTH	.1040	.0971	.1071	.1253	.1363	.0651	.2053	.1816	.1593	.1996	.1932	.1647	.1739	.1839	.1555
115 BITRAGION BREADTH	.2062	.1747	.2104	.1755	.2112	.3672	.3616	.3473	.3093	.3398	.3526	.3168	.3295	.3207	.2808
116 BIZYGOMATIC BREADTH	.1882	.1350	.1765	.0683	.1519	.3167	.3127	.2770	.2732	.2986	.3103	.2905	.2897	.2693	.2690
117 BIGONIAL BREADTH	.1444	.0647	.1340	.0713	.0937	.2021	.3270	.3056	.3060	.3252	.3029	.2886	.2790	.2572	.2865
118 NASAL BREADTH	.0797	.1745	.1378	.1225	.0946	.2169	.1087	.0829	.0671	.0526	.1008	.0014	.0512	.0227	.0346
119 LIP LENGTH	.0991	.1049	.0907	.0380	.0624	.1304	.0846	.0533	.0632	.0600	.0501	.0123	.0266	.0050	.0265
120 MENTON-SUBNASALE L	.1477	.1571	.1424	.1585	.1785	.1144	.1595	.1293	.1278	.1150	.1389	.0869	.1436	.1413	.1288
121 MENTON-SELLION LTH	.2053	.1933	.2170	.2164	.2222	.2062	.2166	.1821	.1759	.1844	.1736	.1294	.1807	.1804	.1423
122 SUBNASALE-SELLION	.1309	.1243	.1575	.1514	.1447	.1626	.1339	.1349	.1260	.1452	.1037	.0875	.1168	.1184	.0742
123 EAR LENGTH	.1688	.1507	.1484	.1559	.1589	.1849	.2476	.2770	.2655	.2508	.2488	.2342	.2420	.2292	.1800
124 EAR BREADTH	.1036	.1370	.1139	.1110	.1300	.0516	.1270	.1255	.1105	.1044	.1063	.0717	.1060	.1014	.0794
125 GRIP STRENGTH	.2445	.2235	.2479	.2635	.2923	.2586	.3804	.3415	.2807	.2939	.2584	.1963	.2567	.2567	.2392
139 STATURE REPORTED	.7187	.6481	.6438	.6122	.8412	.3273	.3562	.3083	.2800	.3134	.3022	.2595	.3646	.3765	.2816
140 WEIGHT REPORTED	.4521	.3853	.4338	.4193	.4082	.5636	.6037	.7754	.7722	.7667	.7924	.7667	.8587	.8537	.8010

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 AGE	.1451	.0474	.0609	-.0234	.2723	.2354	.2765	.2618	.2379	.2879	.2928	.2985	.3068	.1313	.1944
2 HEIGHT	.8194	.7524	.7473	.5913	.7872	.7370	.9040	.7763	.7934	.8026	.8054	.8063	.8047	.5722	.8077
3 TRICEPS SKINFOLD	.5641	.4877	.4810	.3196	.4110	.3541	.5975	.4951	.6673	.7174	.6919	.7093	.6855	.3007	.5595
4 SUBSCAPULAR SKINFOLD	.4102	.3428	.3331	.1758	.3746	.3231	.5490	.6315	.6318	.6058	.6339	.6085	.6085	.2802	.4838
5 SUPRAILLIAC SKINFOLD	.4439	.3748	.3602	.2255	.3568	.3267	.5508	.4872	.6372	.5852	.5650	.5823	.5643	.2985	.4794
6 MEDIAL GALT SKINFOLD	.4543	.4347	.4297	.3184	.2418	.1937	.3781	.2411	.3496	.4253	.4024	.4281	.4135	.1817	.3363
7 STATURE	.3865	.2955	.2995	.3541	.6186	.6787	.3804	.3646	.1642	.1410	.1627	.1361	.1556	.4113	.3087
8 STATURE, MAXIMUM	.3863	.2944	.2978	.3538	.6189	.6807	.3807	.3652	.1645	.1405	.1622	.1346	.1544	.4109	.3083
9 CERVICAL HEIGHT	.3905	.2897	.2918	.3481	.6120	.6744	.3881	.3735	.1739	.1493	.1700	.1440	.1652	.4161	.3155
10 ACROMIAL HEIGHT	.3932	.2919	.2953	.3434	.6381	.6962	.4043	.4077	.1839	.1674	.1833	.1652	.1828	.4251	.3334
11 SUPRASTERNAL HEIGHT	.4021	.3011	.3041	.3546	.6168	.6715	.3985	.3862	.1905	.1699	.1928	.1643	.1838	.4301	.3377
12 BUST POINT HEIGHT	.3297	.2444	.2478	.3097	.5416	.6013	.3095	.3061	.1067	.0359	.1040	.0889	.1050	.3806	.2627
13 WAIST HEIGHT	.3526	.2455	.2493	.2866	.5013	.5608	.3506	.3417	.1459	.1198	.1399	.1221	.1390	.3833	.2751
14 ABDOMINAL EXT HGT	.3011	.2147	.2170	.2636	.4254	.4900	.2817	.2853	.0829	.0596	.0870	.0581	.0809	.3704	.2355
15 TROCHANTERIC HGT	.3181	.2451	.2436	.2578	.4369	.4805	.3221	.3193	.1143	.1076	.1259	.1077	.1222	.3890	.2670
16 BUTTOCK HEIGHT	.3304	.2212	.2277	.2482	.3989	.4367	.3221	.3236	.1454	.1163	.1420	.1155	.1356	.3753	.2619
17 GLUTEAL FURROW HGT	.2349	.1564	.1619	.1982	.3249	.3871	.2092	.2534	.0502	.0343	.0543	.0343	.0539	.3314	.1913
18 TIBIALE HEIGHT	.2916	.2001	.1964	.2812	.3638	.4165	.2691	.2790	.1058	.0703	.0918	.0744	.0967	.3467	.2330
19 CROTCH HEIGHT	.2984	.2030	.2058	.2442	.3647	.4200	.2742	.2884	.0964	.0738	.0960	.0734	.0915	.3662	.2378
20 ANKLE HEIGHT	.1102	.0105	.0005	.0963	.1860	.2041	.1073	.1602	.0325	.0340	.0362	.0462	.0579	.1611	.1026
21 LAT" L MALLEOLUS HT	.2249	.1843	.1778	.2109	.2411	.2748	.1417	.1664	.1024	.0831	.0984	.0743	.0921	.2171	.1713
22 SITTING HT, RELAXED	.3396	.2856	.2862	.3480	.6777	.7413	.3511	.3173	.1827	.1554	.1670	.1436	.1551	.3073	.2716
23 SITTING HEIGHT	.3656	.3118	.3127	.3770	.7063	.7698	.3849	.3382	.2005	.1749	.1861	.1644	.1764	.3291	.2979
24 EYE HEIGHT, SITTING	.3432	.2853	.2890	.3437	.6713	.7307	.3672	.3198	.1910	.1620	.1738	.1499	.1633	.2962	.2637
25 MIDSHOULDER HT, SIT	.3732	.2999	.3019	.3639	.7511	.8176	.4150	.3933	.2812	.2199	.2309	.2159	.2248	.3262	.3272
26 WAIST HGT, SITTING	.2964	.2202	.2251	.2400	.4899	.5337	.3811	.3249	.2154	.2351	.2306	.2356	.2258	.2177	.2413
27 ELBOW REST HEIGHT	.1564	.1082	.1049	.1663	.4288	.4804	.1631	.1156	.0761	.0885	.0905	.0739	.0759	.0615	.0860
28 PLOTEAL HEIGHT	.2460	.1931	.1962	.2244	.2969	.3508	.2262	.2405	.0794	.0582	.0843	.0507	.0750	.3237	.2205
29 BUTTOCK-POPLIT" L	.4379	.3065	.3095	.2512	.4415	.4347	.4841	.3596	.2975	.2941	.3100	.2981	.3084	.3568	.3481
30 BUTTOCK-KNEE LENGTH	.5554	.4456	.4460	.3835	.5580	.5556	.5930	.4838	.3753	.3821	.3982	.3803	.3927	.4599	.4688
31 ACROMION-RADIALE L	.2696	.2225	.2238	.2139	.4085	.4497	.3190	.3726	.1500	.1095	.1334	.1139	.1269	.3488	.2560
32 RADIALE-STYLION L	.2745	.1749	.1764	.2237	.3483	.3688	.2701	.2767	.1052	.0769	.1031	.0940	.1108	.3477	.2219
33 THUMB-TIP REACH	.3051	.2502	.2461	.2545	.3885	.4143	.3077	.3300	.1811	.1619	.1746	.1658	.1699	.3334	.2758
34 THUMB-TIP, EXTENDED	.3076	.2635	.2760	.2510	.4249	.4453	.3211	.3251	.1803	.1590	.1732	.1809	.3412	.2892	
35 OVERHEAD REACH	.3408	.2886	.2929	.3141	.5310	.5834	.3465	.3465	.1526	.1333	.1520	.1397	.1558	.4187	.3108
36 NECK CIRCUMFERENCE	.4363	.3950	.3888	.3425	.4845	.4688	.5052	.5113	.4978	.4632	.4903	.4933	.4911	.3792	.5224
37 SHOULDER CIRCUMFERENCE	.6005	.5666	.5579	.4150	.6056	.5642	.7365	.7406	.8007	.7577	.7641	.7642	.7597	.5097	.7489
38 CHEST CIRC AT SCYE	.5686	.5165	.5036	.3707	.6354	.5867	.7231	.7568	.8022	.7460	.7372	.7501	.7521	.5033	.7114
39 BUST CIRCUMFERENCE	.5574	.4893	.4772	.3402	.6232	.5801	.7192	.7145	.7765	.7295	.7173	.7275	.7268	.4531	.6601
40 CHEST C BELOW BUST	.5580	.5197	.5144	.3841	.6017	.5513	.7050	.6974	.7083	.6980	.6946	.7009	.6933	.4523	.6635
41 WAIST CIRCUMFERENCE	.6027	.5277	.5185	.3766	.5997	.5514	.7755	.7138	.7556	.7213	.7143	.7338	.7240	.4603	.6832
42 ABDOMINAL EXT CIRC	.6087	.5167	.5164	.3565	.5974	.5440	.8015	.6634	.7404	.7280	.7126	.7417	.7238	.3860	.6182
43 HIP C-7" BLW WAIST	.7535	.6719	.6705	.4916	.6962	.6401	.9327	.6885	.7538	.7635	.7556	.7706	.7626	.4656	.7097
44 HIP C-9" BLW WAIST	.7837	.6976	.6947	.5172	.7171	.6583	.9400	.6613	.7287	.7483	.7385	.7575	.7482	.4533	.6911
45 UPPER THIGH CIRCUM	.7803	.7089	.7020	.4980	.6187	.5454	.8512	.6118	.7220	.7529	.7438	.7570	.7473	.4151	.6750

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1958

46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
46 KNEE CIRCUMFERENCE	.7922	.7783	.6583	.6324	.5714	.7712	.5708	.6211	.6871	.6872	.6915	.6939	.4849	.7207
47 GALT CIRCUM, RIGHT	.7922	.9619	.7459	.5493	.4864	.6708	.5076	.5663	.6431	.6427	.6488	.6465	.4066	.6872
48 GALT CIRCUM, LEFT	.7783	.9619	.7357	.5437	.4812	.6670	.4990	.5545	.6383	.6391	.6428	.6430	.4085	.6771
49 ANKLE CIRCUMFERENCE	.6583	.7459	.7357	.4772	.4539	.3949	.3781	.3781	.4468	.4522	.4400	.4500	.3954	.5818
50 VERTICAL TRUNK CIR	.6324	.5493	.5437	.4772	.9298	.7374	.6541	.5930	.5786	.5693	.5768	.5829	.4809	.5914
51 VERTICAL TRK C, SIT	.5714	.4864	.4812	.4539	.9298	.6805	.6100	.5219	.4952	.4912	.4912	.4977	.4595	.5317
52 BUTTOCK CIR, SIT	.7712	.6708	.6670	.4910	.7374	.6805	.6933	.7389	.7530	.7462	.7645	.7604	.4796	.7012
53 SCYE CIRCUMFERENCE	.5708	.5076	.4990	.3949	.6541	.6100	.6933	.7389	.7530	.7392	.7345	.7197	.7234	.7264
54 AXILLARY ARM CIR	.6211	.5663	.5545	.3781	.5930	.5219	.7389	.8082	.8908	.8688	.8717	.8648	.9431	.8201
55 BICEPS C, RELAXED, R	.6871	.6431	.6383	.4468	.5786	.4952	.7530	.7392	.8908	.8688	.8717	.8648	.9431	.8201
56 BICEPS C, FLEXED, R	.6872	.6427	.6391	.4522	.5693	.4912	.7462	.7345	.8908	.8688	.8717	.8648	.9431	.8201
57 BICEPS C, FLEXED, L	.6915	.6488	.6428	.4400	.5768	.4912	.7645	.7197	.8717	.8717	.8717	.8648	.9431	.8201
58 BICEPS C, FLEXED, L	.6939	.6455	.6430	.4500	.5829	.4977	.7604	.7234	.8648	.8648	.8717	.8648	.9431	.8201
59 ELBOW CIR, FLEXED	.4849	.4066	.4085	.3954	.4809	.4595	.4796	.5367	.4772	.5151	.5529	.4936	.5383	.8021
60 FOREARM C, RELAXED	.7207	.6872	.6771	.5818	.5914	.5317	.7012	.7264	.7631	.8201	.8337	.7990	.6428	.6428
61 FOREARM C, FLEXED	.6922	.6672	.6607	.5616	.5692	.5139	.6760	.7033	.7320	.7919	.8129	.7687	.7838	.7539
62 WRIST CIRCUMFERENCE	.5760	.5325	.5232	.5986	.5321	.5240	.5057	.5801	.4994	.5060	.5319	.4800	.4967	.5595
63 BIACROMIAL BREADTH	.3573	.3482	.3496	.3356	.4173	.4165	.4019	.3695	.3509	.3034	.3148	.3190	.3350	.3608
64 BIDELOID BREADTH	.5974	.5530	.5414	.4113	.5912	.5461	.7169	.7082	.7836	.7358	.7367	.7516	.7457	.4776
65 CHEST BREADTH	.4857	.4529	.4478	.3361	.5477	.5099	.6268	.6169	.6275	.6091	.6088	.6138	.6102	.4011
66 BUST PT-BUST PT BR	.4035	.3614	.3579	.2570	.4256	.3308	.5155	.4917	.5287	.5014	.5042	.5031	.5027	.3395
67 WAIST BREADTH	.5675	.5029	.4909	.3774	.5662	.5342	.7077	.6586	.6676	.6408	.6335	.6452	.6436	.4390
68 HIP BREADTH	.6986	.6285	.6240	.4700	.6297	.5943	.8439	.5494	.6065	.6372	.6225	.6473	.6375	.3799
69 THIGH-THIGH BR, SIT	.7245	.6395	.6395	.4376	.6279	.5758	.8726	.5657	.6590	.7027	.6835	.7132	.7005	.5895
70 HUMERAL BREADTH, R	.4727	.4238	.4137	.4555	.4809	.4944	.4194	.4646	.3702	.3940	.4189	.3753	.4009	.4815
71 HUMERAL BREADTH, L	.4815	.4271	.4207	.4607	.4846	.4946	.4210	.4745	.3708	.4057	.4345	.3964	.4238	.5011
72 FEMORAL BREADTH, R	.5238	.4236	.4045	.4098	.3838	.3827	.4138	.3716	.3323	.3580	.3694	.3410	.3592	.4335
73 FEMORAL BREADTH, L	.5466	.4506	.4360	.4262	.4040	.4011	.4404	.3971	.3504	.3808	.3935	.3675	.3843	.3559
74 CHEST DEPTH	.5237	.4470	.4402	.3003	.5576	.5102	.6709	.6471	.7024	.6777	.6725	.6741	.6626	.4607
75 WAIST DEPTH	.5390	.4455	.4394	.2971	.5413	.4821	.7118	.6339	.6816	.6609	.6532	.6639	.6536	.3885
76 ABDOMINAL EXT DPTH	.6079	.5191	.5124	.3337	.5763	.5059	.7823	.6468	.7173	.7164	.7014	.7213	.7065	.3755
77 BUTTOCK DEPTH	.6887	.6241	.6193	.4365	.6264	.5464	.8142	.6266	.7061	.7121	.7053	.7178	.7033	.4159
78 THIGH CLEARANCE	.6430	.5990	.5866	.4693	.5153	.4704	.6180	.5250	.5318	.5448	.5613	.5366	.5400	.4331
79 SHOULDER LENGTH	.1971	.2109	.2100	.2237	.2341	.2472	.1969	.1375	.1409	.1105	.1088	.1107	.1188	.2037
80 NECK-BUST POINT L	.4040	.3367	.3327	.2569	.4816	.4548	.5313	.4928	.5024	.4749	.4773	.4616	.4704	.2901
81 STRAP LENGTH	.4636	.3983	.3966	.2968	.5491	.5193	.5932	.5679	.5758	.5477	.5533	.5469	.5510	.3588
82 INTERSCYE	.3675	.3409	.3368	.2529	.3760	.3636	.4727	.4459	.4793	.4573	.4554	.4595	.4607	.3006
83 INTERSCYE, MAXIMUM	.4029	.3441	.3398	.3042	.4250	.4351	.4890	.4896	.4559	.4189	.4330	.4197	.4273	.3237
84 BACK CURVATURE	.4314	.4152	.4080	.2958	.4464	.4417	.5386	.5282	.5269	.5083	.5134	.5122	.5011	.3167
85 WAIST BACK	.2308	.2128	.2186	.2837	.4688	.5326	.1883	.1860	.0657	.0734	.0896	.0616	.0739	.2517
86 ANTERIOR WAIST LTH	.3396	.2993	.2929	.2974	.5569	.5330	.3485	.3319	.3092	.3188	.2972	.3067	.3079	.3488
87 SLEEVE INSEAM	.1955	.1393	.1396	.1981	.2567	.3050	.1686	.1508	.0189	.0550	.0286	.0274	.0217	.1314
88 SPINE-TO-SCYE LGTH	.3094	.2666	.2591	.2307	.3209	.3290	.3636	.3675	.3519	.3325	.3359	.3220	.3336	.2634
89 SPINE-TO-ELBOW LTH	.3976	.3609	.3578	.3305	.4744	.5060	.4432	.4445	.3157	.2768	.2949	.2861	.2894	.3809
90 SPINE-TO-WAIST LTH	.3967	.3368	.3354	.3351	.4753	.5083	.4256	.4410	.2739	.2368	.2610	.2490	.2580	.4100

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
91 HAND LENGTH	.2620	.2331	.2359	.2755	.3317	.3671	.2430	.2912	.1053	.1127	.1549	.0899	.1159	.3698	.3073
92 HAND BREADTH	.3246	.3211	.3214	.3733	.3336	.3367	.2909	.3776	.2596	.2713	.3073	.2452	.2724	.3620	.4347
93 HAND CIRCUMFERENCE	.4131	.3917	.3697	.4477	.4157	.4006	.3586	.4937	.3509	.3904	.4240	.3472	.3846	.4803	.5658
94 FOOT LENGTH	.4035	.3563	.3543	.4335	.4574	.4903	.3750	.3666	.1861	.1827	.2062	.1847	.2044	.4138	.3795
95 FOOT BREADTH	.3550	.3781	.3724	.4422	.3224	.3153	.3034	.2958	.2034	.2119	.2321	.2166	.2290	.3272	.3620
96 HEAD LENGTH	.2104	.2091	.2169	.1934	.2495	.2431	.2136	.1913	.1431	.1642	.1794	.1573	.1680	.2383	.2410
97 HEAD BREADTH	.2384	.2053	.2018	.1702	.1995	.1872	.2445	.2173	.2268	.2181	.2131	.2154	.2132	.1317	.2375
98 HEAD CIRCUMFERENCE	.3217	.2902	.2986	.2704	.3223	.2965	.3148	.2973	.2266	.2326	.2455	.2414	.2413	.2600	.3272
99 TRAGION-TOP HEAD	.1817	.1841	.1619	.1505	.1926	.1861	.1624	.1534	.1007	.1226	.1193	.1119	.1076	.1643	.1603
100 ECTOCANTHUS-TOP HU	.1399	.1308	.1239	.1335	.1002	.1434	.1021	.1105	.0469	.0758	.0830	.0719	.0721	.1675	.1326
101 PRONASALE-TOP HEAD	.1278	.1062	.0937	.1273	.1492	.1429	.0923	.0955	.0295	.0565	.0683	.0576	.0585	.1493	.1176
102 SUBNASALE-TOP HEAD	.1556	.1389	.1332	.1631	.1923	.1846	.1115	.1175	.0529	.0699	.0795	.0752	.0726	.1696	.1464
103 STOMION-TOP HEAD	.1643	.1442	.1371	.1690	.1801	.1720	.1137	.1171	.0422	.0621	.0751	.0639	.0649	.1903	.1523
104 MENTON-TOP HEAD	.2218	.2017	.1957	.2212	.2522	.2411	.1611	.1610	.0983	.1154	.1307	.1172	.1183	.2369	.2271
105 TRAGION TO WALL	.1600	.1251	.1255	.1135	.1916	.1726	.1617	.1708	.1419	.1300	.1322	.1363	.1390	.1505	.1732
106 ECTOCANTHUS-WALL	.2179	.1953	.2001	.1774	.2616	.2346	.2330	.2252	.1884	.1914	.1943	.1960	.1966	.2171	.2591
107 PRONASALE TO WALL	.2642	.2436	.2503	.2399	.3059	.2781	.2753	.2586	.2128	.2252	.2305	.2216	.2277	.2647	.3009
108 SUBNASALE TO WALL	.2365	.2145	.2201	.2053	.2477	.2231	.2432	.2303	.1969	.2010	.2054	.1969	.2028	.2356	.2760
109 LIP PROTRUSION-WALL	.1994	.1803	.1858	.1590	.1923	.1661	.2082	.2030	.1762	.1775	.1832	.1705	.1789	.2099	.2411
110 MENTON TO WALL	.2225	.1951	.1993	.1603	.2144	.1856	.2627	.2590	.2550	.2507	.2425	.2453	.2490	.2170	.2855
111 SAGITTAL CURVATURE	.1824	.1599	.1697	.1761	.2765	.2668	.1900	.1771	.1334	.1283	.1325	.1333	.1326	.1780	.1893
112 BITRAGION-CORONAL	.2309	.1902	.2121	.1793	.2152	.2128	.2252	.1987	.1705	.1876	.1971	.1907	.1558	.1787	.2402
113 BIOLAR BREADTH	.1992	.1516	.1483	.1642	.1047	.1108	.1635	.1438	.1082	.1411	.1606	.1223	.1398	.1938	.2121
114 BIOLARICULAR BROT	.1926	.1626	.1577	.1538	.1950	.1854	.1889	.1650	.1428	.1546	.1512	.1537	.1415	.1210	.1925
115 BITRAGION BREADTH	.3329	.2836	.2845	.2669	.3006	.2857	.3313	.3119	.2951	.3015	.3083	.3011	.3008	.2336	.3601
116 BIZYGOMATIC BROT	.3104	.2454	.2376	.2355	.1991	.1961	.2753	.2583	.2595	.2554	.2702	.2517	.2561	.2297	.3147
117 BIGONIAL BREADTH	.2887	.2414	.2316	.2071	.2110	.1922	.2836	.2637	.2854	.2844	.2994	.2700	.2797	.1967	.3224
118 NASAL BREADTH	.0734	.0435	.0496	.0595	.0009	.0311	.0484	.0755	.0544	.0487	.0733	.0488	.0601	.1377	.1374
119 LIP LENGTH	.0389	.0254	.0308	.0413	.0083	.0155	.0333	.0439	.0175	.0143	.0352	.0026	.0187	.0737	.0657
120 MENTON-SUBNASALE L	.1646	.1482	.1459	.1410	.1687	.1520	.1551	.1520	.1001	.1207	.1372	.1148	.1246	.1716	.1841
121 MENTON-SELLION LTH	.1960	.1540	.1555	.1653	.2420	.2344	.2034	.1825	.1350	.1382	.1618	.1431	.1582	.2118	.2190
122 SUBNASALE-SELLION	.1374	.0844	.0912	.1020	.1866	.1821	.1311	.1040	.0841	.0945	.1080	.0988	.1071	.1172	.1416
123 EAR LENGTH	.2088	.1659	.1728	.1715	.2607	.2399	.2504	.2431	.2301	.2465	.2493	.2516	.2586	.2136	.2287
124 EAR BREADTH	.1236	.0966	.1013	.0914	.1243	.1144	.1152	.1116	.0866	.1011	.1104	.1029	.1071	.1286	.1239
125 GRIP STRENGTH	.2591	.2665	.2693	.2632	.2905	.2930	.2626	.3578	.2794	.2841	.3214	.2684	.2904	.3510	.4244
139 STATURE REPORTED	.3994	.3165	.3198	.3643	.3514	.0667	.3936	.3847	.1974	.1721	.1942	.1666	.1870	.4163	.3286
140 WEIGHT REPORTED	.7925	.7130	.7059	.5680	.7781	.7336	.6712	.7512	.7576	.7639	.7704	.7690	.7684	.5512	.7720

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	51	52	53	54	55	56	57	58	59	70	71	72	73	74	75
1 AGE	.1752	.1017	.1485	.2266	.2315	.1580	.1461	.1944	.2729	.1371	.1050	.1151	.1362	.2919	.2892
2 WEIGHT	.7793	.6456	.4951	.7980	.7008	.5860	.7676	.7704	.7830	.5382	.5439	.4869	.5147	.7440	.7364
3 TRICEPS SKINFOLD	.5373	.3080	.1491	.5292	.4016	.3570	.4631	.5297	.5905	.2022	.2140	.2818	.2990	.5110	.4984
4 SUBSCAPULAR SKINFOLD	.4658	.2730	.1558	.5563	.4719	.4146	.5353	.4251	.4761	.1184	.1146	.2059	.2199	.6114	.6085
5 SUPRAILLIAC SKINFOLD	.4724	.3119	.1404	.5298	.4234	.4401	.5728	.4439	.4800	.1974	.1983	.2391	.2498	.5773	.5661
6 MEDIAL GALT SKINFOLD	.3222	.1794	.0306	.2543	.1856	.1562	.2631	.3642	.4139	.0984	.1130	.1852	.1961	.2572	.2742
7 STATURE	.3071	.4532	.4563	.3016	.2783	.2108	.3288	.3483	.2395	.4862	.4933	.3381	.3458	.2268	.1924
8 STATURE, MAXIMUM	.3069	.4547	.4561	.3008	.2800	.2098	.3308	.3480	.2409	.4883	.4937	.3423	.3498	.2287	.1919
9 CERVICAL HEIGHT	.3147	.4502	.4518	.3038	.2764	.2153	.3425	.3490	.2466	.4831	.4926	.3442	.3517	.2453	.2101
10 ACROMIAL HEIGHT	.3267	.4517	.4474	.3224	.3136	.2357	.3592	.3501	.2559	.4837	.4934	.3434	.3536	.2639	.2298
11 SUPRASTERNAL HEIGHT	.3351	.4625	.4542	.3179	.2915	.2387	.3440	.3498	.2474	.4958	.5006	.3488	.3556	.2552	.2180
12 BUST POINT HEIGHT	.2617	.3954	.4125	.2409	.2318	.1540	.2859	.2758	.1700	.4380	.4453	.2906	.2958	.1634	.1357
13 WAIST HEIGHT	.2718	.3976	.4090	.2733	.2416	.2106	.2927	.3182	.2116	.4417	.4461	.3083	.3161	.2353	.1810
14 ABDOMINAL EXT HGT	.2425	.3667	.3862	.2194	.1959	.1790	.2560	.2528	.1356	.4281	.4336	.2870	.2937	.1740	.1092
15 TROCHANTERIC HGT	.2635	.3662	.4010	.2517	.2278	.1956	.2949	.2757	.1752	.3963	.4053	.2573	.2691	.2132	.1886
16 BUTTOCK HEIGHT	.2554	.3714	.3630	.2638	.2313	.2127	.3202	.2515	.1684	.3853	.4015	.2874	.2969	.2354	.2056
17 GLUTEAL FURROW HGT	.1968	.2980	.3406	.1818	.1656	.1504	.2412	.1752	.0697	.3447	.3568	.2268	.2325	.1568	.1113
18 TIBIALE HEIGHT	.2423	.3486	.3615	.2386	.1938	.1763	.2549	.2372	.1336	.3848	.3891	.2925	.2956	.1842	.1302
19 CROTCH HEIGHT	.2409	.3581	.3800	.2232	.2085	.1808	.2773	.2248	.1236	.3919	.4032	.2787	.2889	.1910	.1444
20 ANKLE HEIGHT	.1033	.1818	.1880	.1356	.0746	.0453	.1446	.0913	.0405	.1537	.1700	.1100	.0974	.1023	.0836
21 LAT"L MALLEOLUS HT	.1684	.2648	.1613	.1244	.1049	.1191	.1223	.1023	.0701	.3035	.2947	.2622	.2659	.1296	.0895
22 SITTING HT, RELAXED	.2656	.4009	.3744	.2702	.2478	.1520	.2595	.3545	.2826	.4159	.4143	.2976	.3022	.1776	.1573
23 SITTING HEIGHT	.2909	.4271	.3844	.2868	.2771	.1574	.2774	.3792	.3086	.4401	.4371	.3133	.3197	.1942	.1741
24 EYE HEIGHT, SITTING	.2597	.3984	.3386	.2657	.2745	.1597	.2338	.3706	.3028	.4184	.4059	.3296	.3334	.1898	.1530
25 MIDSHOULDER HT, SIT	.3096	.4066	.3230	.3153	.2944	.1605	.3381	.3056	.3404	.4389	.4136	.2679	.2812	.2386	.2487
26 WAIST HGT, SITTING	.2306	.2649	.1982	.2755	.2725	.1566	.1777	.3592	.3531	.2755	.2581	.2400	.2432	.2499	.2262
27 ELBOW REST HEIGHT	.0827	.1224	.0830	.0645	.1069	.0075	.0799	.1865	.2034	.1444	.1429	.1385	.1418	.0599	.0669
28 POPLITEAL HEIGHT	.2233	.3533	.3269	.2062	.1548	.1580	.2489	.1806	.0851	.3567	.3625	.2394	.2501	.1648	.1268
29 BUTTOCK-POPLIT"L L	.3405	.3391	.3441	.3687	.3202	.2777	.3756	.4260	.3550	.3586	.3680	.2879	.2975	.3436	.3310
30 BUTTOCK-KNEE LENGTH	.4607	.4601	.4233	.4602	.3949	.3379	.4686	.5266	.4505	.4512	.4599	.3573	.3715	.4172	.3965
31 ACROMION-RADIALE L	.2568	.3777	.3569	.2801	.2684	.2430	.3021	.2661	.1780	.3759	.3849	.2790	.2918	.2579	.2220
32 RADIALE-STYLION L	.2248	.3416	.3656	.2188	.1929	.1504	.2381	.2257	.1260	.3357	.3540	.2174	.2181	.1752	.1388
33 THUMB-TIP REACH	.2768	.3888	.3686	.2885	.1918	.1504	.2381	.2257	.1260	.3357	.3540	.2174	.2181	.1752	.1388
34 THUMB-TIP, EXTENDED	.2800	.3656	.3759	.2814	.2802	.1884	.2811	.3024	.2307	.3653	.3585	.2488	.2557	.2206	.1835
35 OVERHEAD REACH	.3126	.4210	.4596	.3062	.2766	.2102	.3102	.3126	.2102	.3364	.4415	.2744	.2813	.2125	.1757
36 NECK CIRCUMFERENCE	.4939	.4439	.3882	.5282	.4621	.3401	.5083	.3956	.3900	.3354	.3411	.2574	.2671	.4545	.4548
37 SHOULDER CIRCUMFER	.7222	.5663	.5815	.8904	.7688	.5595	.7191	.6055	.6147	.4548	.4564	.3709	.3956	.7019	.6705
38 CHEST CIRC AT SCYE	.6886	.5322	.4741	.8278	.7657	.5812	.7154	.5697	.5935	.4205	.4204	.3544	.3746	.7576	.6892
39 BUST CIRCUMFERENCE	.6355	.4852	.3702	.7579	.7345	.7197	.7064	.5507	.6001	.3875	.3751	.3376	.3569	.8796	.7228
40 CHEST C BELOW BUST	.6365	.5028	.3969	.7415	.7500	.5577	.7283	.5415	.5746	.4078	.4020	.3608	.3878	.7531	.7048
41 WAIST CIRCUMFERENCE	.6534	.5008	.3816	.7386	.6832	.5689	.8864	.6004	.6337	.3636	.3739	.3414	.3653	.7372	.8453
42 ABDOMINAL EXT CIRC	.5860	.4131	.3139	.6792	.6269	.5152	.6395	.6653	.7197	.3187	.3215	.3374	.3612	.6975	.7481
43 HIP C-7"BLW WAIST	.6797	.5056	.3817	.7252	.6340	.5099	.7213	.8356	.8431	.4150	.4166	.3987	.4270	.6766	.6947
44 HIP C-9"BLW WAIST	.6646	.4930	.3962	.7102	.5918	.4728	.8899	.8928	.8899	.4134	.4141	.4072	.4335	.6283	.6347
45 UPPER THIGH CIRCUM	.6521	.4340	.3199	.6738	.5456	.4637	.6220	.7951	.8435	.3565	.3602	.3859	.4096	.6023	.5952

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1958

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
46 KNEE CIRCUMFERENCE	.6922	.5760	.3573	.5974	.4857	.4035	.5675	.6986	.7245	.4727	.4815	.5238	.5456	.5237	.5390
47 CALF CIRCUM, RIGHT	.6672	.5325	.3482	.5530	.4529	.3514	.5029	.6285	.6395	.4238	.4271	.4236	.4506	.4470	.4455
48 CALF CIRCUM, LEFT	.6607	.5232	.3496	.5414	.4478	.3579	.4309	.6240	.6395	.4137	.4207	.4045	.4360	.4402	.4394
49 ANKLE CIRCUMFERENCE	.5616	.5986	.3356	.4113	.3361	.2570	.3774	.4700	.4376	.4555	.4607	.4098	.4262	.3003	.2971
50 VERTICAL TRUNK CIR	.5692	.5321	.4173	.5912	.5477	.4256	.5652	.6297	.6273	.4809	.4846	.3838	.4040	.5576	.5413
51 VERTICAL TRK C, SIT	.5139	.5240	.4165	.5461	.5099	.3308	.5312	.5943	.5758	.4944	.4946	.3827	.4011	.5102	.4821
52 BUTTOCK CIRC, SIT	.6760	.5057	.4019	.7169	.6268	.5155	.7077	.5856	.5494	.6567	.4745	.3716	.3971	.6471	.6339
53 SCYE CIRCUMFERENCE	.7033	.5801	.3695	.7082	.6169	.4917	.6585	.5494	.5657	.4646	.4745	.3716	.3971	.6471	.6339
54 AXILLARY ARM CIRC	.7320	.4994	.3509	.7836	.6275	.5287	.6576	.6065	.6590	.3702	.3708	.3323	.3504	.7024	.6816
55 BICEPS C, RELAXED, R	.7919	.5060	.3034	.7358	.6091	.5014	.6408	.6372	.7027	.3940	.4057	.3580	.3808	.6777	.6609
56 BICEPS C, FLEXED, R	.8129	.5319	.3148	.7367	.6088	.5042	.6335	.6225	.6835	.4189	.4345	.3694	.3935	.6725	.6532
57 BICEPS C, RELAXED, L	.7587	.4800	.3190	.7516	.6138	.5031	.6452	.6473	.7132	.3753	.3964	.3410	.3675	.6741	.6639
58 BICEPS C, FLEXED, L	.7838	.4967	.3350	.7457	.6102	.5027	.6436	.6375	.7005	.4009	.4238	.3592	.3843	.6626	.6536
59 ELBOW CIRC, FLEXED	.7539	.5595	.3608	.7476	.4011	.3395	.4390	.3799	.3462	.4815	.5011	.3425	.3559	.3875	.3885
60 FOREARM C, RELAXED	.9301	.7025	.4148	.7422	.5976	.4788	.6376	.5767	.5895	.5803	.5802	.4335	.4607	.5950	.5932
61 FOREARM C, FLEXED	.6825	.4014	.6851	.5698	.4547	.6084	.5569	.5675	.5515	.5575	.5575	.4230	.4451	.5695	.5655
62 WRIST CIRCUMFERENCE	.6825	.4014	.6851	.5698	.4547	.6084	.5569	.5675	.5515	.5575	.5575	.4230	.4451	.5695	.5655
63 BIACROMIAL BREADTH	.4014	.4150	.6046	.6046	.6046	.4150	.4950	.4856	.4856	.3761	.3888	.3181	.3465	.6313	.7033
64 BIELTOID BREADTH	.6851	.5283	.6046	.6046	.6046	.4150	.4950	.4856	.4856	.3761	.3888	.3181	.3465	.6313	.7033
65 CHEST BREADTH	.5698	.4555	.4608	.4555	.4608	.2408	.4012	.3607	.3119	.3749	.3778	.2466	.2528	.2541	.2748
66 BUST PT-BUST PT BR	.4547	.3693	.2408	.4508	.5106	.6925	.6205	.6205	.6257	.4080	.4150	.3289	.3531	.6334	.6397
67 WAIST BREADTH	.6084	.4945	.4012	.6925	.6169	.4856	.4856	.3761	.4209	.3058	.3685	.3715	.3897	.5922	.5690
68 HIP BREADTH	.5569	.4078	.3607	.6205	.5118	.3763	.5760	.8812	.8812	.3136	.3121	.3530	.3810	.5659	.5684
69 THIGH-THIGH BR, SIT	.5675	.3565	.3119	.6257	.5465	.4209	.5802	.8812	.8812	.3136	.3121	.3530	.3810	.5659	.5684
70 HUMERAL BREADTH, R	.5515	.6184	.3749	.4080	.3738	.3058	.3751	.3782	.3121	.9182	.4653	.9602	.3186	.6973	.8615
71 HUMERAL BREADTH, L	.5575	.6181	.3778	.4150	.3685	.2804	.3888	.3722	.3121	.9182	.4653	.9602	.3186	.6973	.8615
72 FEMORAL BREADTH, R	.4230	.4554	.2466	.3289	.3715	.2600	.3181	.3829	.3530	.4833	.4653	.9602	.3186	.6973	.8615
73 FEMORAL BREADTH, L	.4451	.4767	.2528	.3531	.3897	.2684	.3465	.4094	.3810	.5024	.4859	.9602	.3186	.6973	.8615
74 CHEST DEPTH	.5695	.4475	.2541	.6334	.5922	.6713	.6313	.5129	.5659	.3490	.3328	.3005	.3186	.6973	.8615
75 WAIST DEPTH	.5655	.4258	.2748	.6397	.5690	.5064	.7033	.5155	.5684	.2798	.2892	.2889	.3146	.6973	.8615
76 ABDOMINAL EXT DPTH	.5829	.4149	.2800	.6609	.5950	.5087	.6866	.6023	.6738	.2867	.2895	.3208	.3470	.7132	.8615
77 BUTTOCK DEPTH	.6244	.4408	.2912	.6702	.5311	.4574	.6345	.6729	.7349	.3171	.3135	.2879	.3144	.6402	.6859
78 THIGH CLEARANCE	.5583	.4856	.3219	.5309	.4785	.3555	.4837	.5475	.4955	.4203	.4199	.4527	.4632	.4676	.4478
79 SHOULDER LENGTH	.2007	.2521	.6177	.3015	.2032	.1012	.1817	.2148	.1535	.2331	.2287	.1474	.1429	.0954	.0892
80 NECK-BUST POINT L	.4137	.3654	.2692	.4959	.4383	.4901	.4791	.4340	.4498	.2837	.2761	.2735	.2841	.6257	.5046
81 STRAP LENGTH	.5022	.4324	.3541	.5847	.5274	.5327	.5506	.4792	.4954	.3451	.3369	.2971	.3124	.6580	.5565
82 INTERSCYE	.4445	.3428	.4227	.6249	.5940	.3273	.5022	.3627	.3838	.2881	.2869	.2446	.2568	.4676	.4516
83 INTERSCYE, MAXIMUM	.4435	.4039	.4193	.5604	.5200	.3002	.4719	.4144	.3979	.3403	.3333	.3175	.3278	.4080	.3965
84 BACK CURVATURE	.4778	.3975	.3261	.5896	.6139	.3523	.5819	.4419	.4557	.2855	.2967	.2642	.2984	.5474	.5251
85 WAIST BACK	.2091	.3258	.2795	.1406	.1365	.0939	.2259	.2028	.2423	.3209	.3263	.2106	.2116	.1204	.0791
86 ANTERIOR WAIST LTH	.3519	.3688	.2668	.3440	.3390	.3119	.3656	.2919	.2577	.3255	.3278	.2653	.2691	.3427	.2950
87 SLEEVE INSEAM	.1305	.2880	.3870	.1421	.0877	.0883	.1700	.1639	.0474	.2803	.2989	.1661	.1681	.0835	.0440
88 SPINE-TO-SCYE LGTH	.3604	.3273	.3782	.4559	.4498	.2382	.3746	.2853	.2841	.3127	.3069	.3058	.3106	.3104	.3062
89 SPINE-TO-ELBOW LTH	.3954	.4642	.5911	.4898	.4233	.2925	.4117	.3981	.3292	.4342	.4287	.3223	.3310	.3399	.2897
90 SPINE-TO-WRIST LTH	.3931	.4905	.5817	.4512	.3941	.2755	.4075	.3743	.2866	.4644	.4657	.3226	.3334	.3182	.2670

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91 HAND LENGTH	.3064	.4855	.3648	.2346	.2185	.1916	.2589	.1364	.1093	.4638	.4570	.3025	.3189	.1952	.1718
92 HAND BREADTH	.4186	.5736	.3236	.3123	.2654	.2287	.3032	.2231	.1947	.4981	.4949	.3032	.3179	.2545	.2201
93 HAND CIRCUMFERENCE	.5677	.7458	.3627	.4044	.3457	.2983	.3832	.2636	.2330	.5472	.5462	.3694	.3828	.3192	.3064
94 FOOT LENGTH	.3666	.5297	.4252	.3198	.2779	.2316	.3564	.3188	.2255	.4853	.4956	.3356	.3501	.2654	.2459
95 FOOT BREADTH	.3524	.4610	.3245	.2865	.2367	.1863	.2843	.2530	.2123	.3633	.3716	.2076	.2251	.1774	.2015
96 FOOT CIRCUMFERENCE	.2391	.2537	.2388	.2043	.2303	.2054	.1834	.1834	.1768	.2439	.2450	.1867	.1937	.1804	.1279
97 HEAD BREADTH	.2268	.1878	.1785	.2331	.2191	.1756	.2532	.1878	.2179	.1621	.1487	.1775	.1792	.2316	.2249
98 HEAD CIRCUMFERENCE	.3128	.3034	.3113	.3003	.2783	.2255	.2940	.2650	.2551	.2576	.2600	.2011	.2105	.2366	.2335
99 TRAGION-TOP HEAD	.1666	.1452	.1861	.1572	.1541	.1208	.1461	.1304	.1304	.1403	.1350	.0710	.0759	.1100	.1152
100 ECTOCANTHUS-TOP HD	.1432	.1266	.1779	.1118	.1137	.0825	.0795	.0745	.1291	.1225	.0642	.0667	.0493	.0549	
101 PRONASALE-TOP HEAD	.1251	.1232	.2068	.1014	.0980	.0698	.0527	.0758	.0648	.1272	.1279	.0728	.0772	.0220	.0191
102 SUBNASALE-TOP HEAD	.1456	.1516	.2401	.1346	.1333	.0860	.0556	.0937	.0854	.1440	.1449	.0775	.0836	.0382	.0378
103 STOMION-TOP HEAD	.1562	.1746	.2391	.1287	.1251	.0867	.0871	.0927	.0756	.1572	.1602	.0621	.0872	.0413	.0385
104 MENTON-TOP HEAD	.2226	.2353	.2396	.1944	.1881	.1432	.1516	.1450	.1282	.2208	.2218	.1257	.1328	.0851	.0980
105 TRAGION-TO WALL	.1555	.1399	.1691	.1659	.1373	.1570	.1223	.1114	.1049	.1221	.1292	.0269	.0322	.1601	.1106
106 ECTOCANTHUS-WALL	.2365	.2078	.2444	.2313	.2037	.2006	.1335	.1732	.1749	.1827	.1842	.0711	.0790	.2067	.1621
107 PRONASALE TO WALL	.2824	.2676	.2662	.2719	.2320	.2307	.2259	.2150	.2063	.2317	.2266	.1206	.1343	.2499	.1876
108 SUBNASALE TO WALL	.2581	.2445	.2308	.2493	.2112	.2143	.2089	.1807	.1700	.1925	.1928	.0925	.1017	.2353	.1844
109 LIP PROTRUSION-WALL	.2323	.2132	.1907	.2243	.1818	.1858	.1907	.1460	.1351	.1594	.1616	.0777	.0844	.2203	.1823
110 MENTON TO WALL	.2745	.2265	.1605	.2793	.2385	.2179	.2434	.1833	.1873	.1785	.1794	.1055	.1105	.2753	.2311
111 SAGITTAL CURVATURE	.1802	.1588	.2271	.1771	.1866	.0956	.1483	.1838	.1760	.1582	.1474	.1091	.1085	.1124	.1174
112 BIOTRAGION-CORONAL	.2388	.2348	.1861	.2177	.2086	.1570	.2306	.1721	.1675	.1903	.1900	.1528	.1571	.1919	.1972
113 BIOTRAGION-BREADTH	.2326	.2673	.1454	.1407	.1620	.1369	.1917	.0917	.0992	.2108	.2080	.2356	.2469	.1525	.1429
114 BIOTRAGION-BREADTH	.1781	.1806	.1784	.1863	.2076	.0840	.1934	.1604	.1520	.1005	.0989	.1248	.1299	.1509	.1330
115 BIOTRAGION-BREADTH	.3437	.3521	.2912	.3453	.3161	.2126	.3331	.2654	.2703	.2634	.2562	.2505	.2695	.2867	.2974
116 BIOTRAGION-BREADTH	.3218	.3137	.2111	.2832	.2725	.2209	.2933	.2145	.2208	.2653	.2590	.2920	.3087	.2456	.2668
117 BIGONIAL BREADTH	.3178	.2989	.1410	.2990	.2759	.2032	.2937	.1995	.2247	.2483	.2404	.3046	.3246	.2900	.2971
118 NASAL BREADTH	.1391	.1405	.1191	.0943	.0662	.0794	.0814	.0213	.0168	.0964	.0949	.0550	.0549	.0573	.1196
119 LIP LENGTH	.0744	.1208	.0666	.0518	.0566	.0665	.0718	.0042	.0101	.1023	.1096	.1171	.1194	.0711	.0837
120 MENTON-SUBNASALE L	.1745	.1867	.1470	.1509	.1523	.1232	.1352	.1134	.1167	.1296	.1425	.1155	.1285	.1329	.1167
121 MENTON-SELLION LTH	.2002	.2306	.2655	.2074	.1944	.1567	.1811	.1554	.1629	.2216	.2133	.1631	.1902	.1522	.1548
122 SUBNASALE-SELLION	.1274	.1581	.1345	.1386	.1228	.0787	.1213	.1089	.1204	.1457	.1391	.1027	.1229	.1028	.0983
123 EAR LENGTH	.2159	.2124	.1653	.2443	.2130	.1917	.2244	.1951	.1981	.1290	.1378	.1172	.1227	.2603	.2393
124 EAR BREADTH	.1177	.1424	.1338	.1245	.0874	.0925	.1014	.0832	.0804	.0697	.0832	.0617	.0642	.1056	.0853
125 GRIP STRENGTH	.4240	.3990	.3342	.3411	.3471	.2673	.2735	.2068	.1981	.3681	.3588	.2299	.2400	.2218	.1509
133 STATURE REPORTED	.3300	.4683	.4571	.3240	.2971	.2346	.3689	.3652	.2617	.4924	.4949	.3467	.3534	.2530	.2093
140 WEIGHT REPORTED	.7405	.6250	.4955	.7693	.5770	.5706	.7365	.7425	.7513	.5258	.5318	.4782	.5055	.7186	.7118

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

1	AGE	.2887	.1638	-.0092	.0277	.3114	.3256	.1938	.1707	.1654	.0095	.0466	.1509	.1274	.0770
2	WEIGHT	.7911	.8048	.7135	.2734	.5725	.5545	.5341	.5528	.6064	.2983	.4589	.4298	.5689	.5661
3	TRICEPS SKINFOLD	.5733	.5983	.4191	.0379	.3635	.4106	.3018	.2943	.3584	.0206	.2178	.0556	.1838	.1328
4	SUBSCAPULAR SKINFOLD	.6371	.5772	.3293	.0322	.4064	.4479	.3536	.3244	.4307	.0340	.1965	.0810	.1386	.1011
5	SUPRATILAC SKINFOLD	.5936	.5373	.4154	.0404	.4206	.4432	.3401	.3311	.3560	.0363	.2580	.0297	.2333	.1784
6	MEDIAL CALF SKINFOLD	.3552	.3920	.3059	-.0326	.1606	.1721	.1108	.0999	.2133	.0120	.1401	.0570	.0419	.0373
7	STATURE	.2078	.2378	.4312	.3655	.2648	.3235	.1880	.3517	.2359	.5854	.4575	.7074	.2591	.6793
8	STATURE, MAXIMUM	.2081	.2386	.4359	.3658	.2662	.3225	.1900	.3530	.2380	.5884	.4573	.7082	.2609	.6807
9	CERVICAL HEIGHT	.2249	.2496	.4472	.3733	.2710	.3157	.1906	.3616	.2384	.6090	.4369	.7281	.2576	.6783
10	ACROMIAL HEIGHT	.2457	.2711	.4430	.2757	.2581	.3058	.2039	.3553	.2699	.5564	.4360	.7008	.2644	.6623
11	SUPRASTERNAL HEIGHT	.2307	.2642	.4538	.3529	.2575	.3202	.1931	.3432	.2407	.5487	.4840	.7170	.2522	.6758
12	BUST POINT HEIGHT	.1564	.1887	.3991	.3105	.0317	.0935	.1299	.2774	.1837	.5110	.4136	.7224	.1978	.6262
13	WAIST HEIGHT	.2095	.2429	.4435	.3352	.2244	.2605	.1544	.3217	.2014	.3947	.2168	.7369	.2283	.6600
14	ABDOMINAL EXT HGT	.1173	.1727	.4125	.3247	.1623	.2000	.1222	.2753	.1695	.4183	.2722	.7487	.2021	.6408
15	TROCHANTERIC HEIGHT	.2119	.2344	.4284	.3246	.1651	.2100	.1394	.2406	.2092	.3721	.2685	.7422	.1711	.6295
16	BUTTOCK HEIGHT	.2371	.2450	.4414	.2766	.2002	.2424	.1550	.2955	.2252	.3494	.2846	.7258	.2133	.6126
17	GLUTEAL FURROW HGT	.1300	.1279	.3642	.2931	.1266	.1566	.1070	.2423	.1466	.3502	.2403	.7458	.1692	.5929
18	TIBIALE HEIGHT	.1469	.1851	.4002	.3059	.1973	.2132	.1484	.3362	.1340	.3420	.2580	.7332	.2230	.5821
19	CROTCH HEIGHT	.1710	.1874	.4325	.3184	.1555	.1849	.1345	.2755	.1732	.3725	.2646	.7751	.1900	.6293
20	ANKLE HEIGHT	.0791	.0743	.1056	.1263	.1307	.1096	.1210	.2460	.0019	.1603	.1255	.3817	.1110	.2326
21	LAT'L MALLEOLUS HT	.0970	.0882	.2303	.0773	.1073	.1568	.0829	.1373	.1160	.2342	.2024	.2264	.1428	.2581
22	SITTING HT, RELAXED	.1511	.1965	.2830	.2974	.2882	.3467	.1647	.3126	.2020	.6149	.5188	.3743	.2391	.4857
23	SITTING HEIGHT	.1768	.2258	.3139	.3059	.2929	.3573	.1940	.3196	.2304	.6570	.5310	.3886	.2449	.4987
24	EYE HEIGHT, SITTING	.1715	.2039	.3340	.2898	.2986	.3501	.1873	.3193	.2188	.6042	.5063	.3256	.2452	.4579
25	MIDSHOULDER HT, SIT	.2425	.2838	.3102	.2295	.3038	.3436	.2334	.3273	.2741	.6428	.4954	.3354	.2591	.4412
26	WAIST HEIGHT, SITTING	.2488	.2741	.2629	.1448	.2660	.2989	.1796	.2754	.1931	.0972	.1177	.1507	.1802	.2935
27	ELBOW REST HEIGHT	.0689	.1035	.0796	-.0950	.1311	.1361	.0493	.1109	.1008	.3667	.3229	.2081	.1014	.0863
28	POPLITEAL HEIGHT	.1293	.1493	.3810	.2573	.1318	.1591	.1103	.2534	.1587	.3105	.2423	.6372	.1993	.5400
29	BUTTOCK-POPLIT'L L	.3983	.4455	.4775	.2258	.2399	.2862	.2255	.3111	.2743	.2413	.2497	.5672	.2073	.5352
30	BUTTOCK-KNEE LENGTH	.4734	.5438	.5914	.3008	.3108	.3596	.2732	.3757	.3434	.3232	.3290	.6452	.2574	.6385
31	BUTTOCK-RADIALE L	.2250	.1979	.3722	.2490	.2228	.2534	.1591	.2606	.2631	.3289	.2570	.7304	.1784	.7133
32	ACROMION-STYLION L	.1604	.1766	.3439	.2820	.1506	.1851	.1190	.2560	.1370	.3052	.2143	.7879	.1497	.5482
33	THUMB-TIP REACH	.2413	.2427	.3011	.2821	.2082	.2426	.2225	.2781	.2254	.3383	.2505	.6786	.2429	.5982
34	THUMB-TIP, EXTENDED	.2218	.2573	.3424	.3125	.1941	.2270	.1588	.2791	.1954	.3159	.2450	.6341	.1749	.5485
35	OVERHEAD REACH	.1985	.2340	.4010	.3622	.2186	.2538	.1728	.2967	.2118	.4681	.3672	.7498	.1970	.6675
36	NECK CIRCUMFERENCE	.4431	.4455	.3850	.1359	.3320	.4525	.3680	.3940	.3392	.2094	.2713	.2125	.2587	.3812
37	SHOULDER CIRCUMFER	.6846	.6706	.5674	.5051	.5146	.6127	.6620	.5731	.6486	.1716	.3877	.1501	.4897	.5328
38	CHEST CIRC AT SCYE	.6960	.6495	.5051	.2258	.5497	.6297	.6210	.5647	.6330	.1225	.3672	.0999	.4750	.4589
39	BUST CIRCUMFERENCE	.7333	.6600	.4892	.1470	.6420	.6996	.5744	.4984	.6250	.1138	.3965	.0722	.4217	.3986
40	CHEST C BELOW BUST	.7096	.6325	.4978	.1660	.4838	.5557	.5484	.5042	.6517	.1617	.3857	.1014	.4113	.4191
41	WAIST CIRCUMFERENCE	.8137	.7067	.5106	.1590	.5374	.6158	.5291	.4844	.5949	.1813	.3877	.1209	.3662	.3830
42	ABDOMINAL EXT CIRC	.8218	.7061	.4830	.1360	.5252	.5804	.4799	.4638	.5062	.0942	.3055	.0500	.3362	.3414
43	HIP C-7" BLW WAIST	.7766	.8202	.6212	.1803	.5035	.5761	.4821	.4778	.5549	.1860	.3522	.1501	.3523	.4187
44	HIP C-9" BLW WAIST	.7189	.8086	.6356	.2146	.4986	.5580	.4480	.4713	.5159	.1889	.3324	.1552	.3353	.4241
45	UPPER THIGH CIRCUM	.6890	.7955	.6687	.1653	.4454	.4970	.4048	.4183	.4713	.1147	.2923	.0899	.3074	.3447

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 KNEE CIRCUMFERENCE	.6079	.6887	.6430	.1971	.4040	.4536	.3675	.4029	.4314	.2308	.3396	.1955	.3094	.3976	.3967
47 CALF CIRCUM, RIGHT	.5191	.6241	.5990	.2109	.3367	.3983	.3409	.3441	.4152	.2158	.2993	.1393	.2666	.3609	.3368
48 CALF CIRCUM, LEFT	.5124	.6193	.5866	.2100	.3327	.3966	.3368	.3398	.4080	.2186	.2929	.1396	.2591	.3578	.3354
49 ANKLE CIRCUMFERENCE	.3337	.4365	.4693	.2237	.2569	.2968	.2529	.3042	.2958	.2837	.2974	.1981	.2307	.3305	.3351
50 VERTICAL TRUNK CIR	.5763	.6264	.5153	.2341	.4816	.5491	.3760	.4250	.4468	.4688	.5569	.2567	.3209	.4744	.4753
51 VERTICAL TRK C, SIT	.5059	.5464	.4704	.2472	.4548	.5193	.3636	.4351	.4417	.5326	.5330	.3050	.3290	.5060	.5033
52 BUTTOCK CIRC, SIT	.7823	.8142	.6180	.1969	.5313	.5932	.4727	.4890	.5386	.1883	.3485	.1686	.3636	.4432	.4256
53 SCYE CIRCUMFERENCE	.6468	.6266	.5250	.1375	.4928	.5579	.4459	.4896	.5282	.1860	.3636	.1508	.3675	.4445	.4410
54 AXILLARY ARM CIRC	.7173	.7061	.5318	.1409	.5024	.5758	.4793	.4559	.5269	.0657	.3319	.0189	.3519	.3157	.2739
55 BICEPS C, RELAXED, R	.7164	.7121	.5448	.1105	.4749	.5477	.4573	.4189	.5083	.0734	.3092	.0550	.3325	.2768	.2368
56 BICEPS C, FLEXED, R	.7014	.7053	.5613	.1088	.4773	.5533	.4554	.4330	.5134	.0896	.3188	.0286	.3359	.2949	.2610
57 BICEPS C, RELAXED, L	.7213	.7178	.5366	.1107	.4616	.5469	.4595	.4197	.5122	.0616	.2972	.0274	.3220	.2861	.2490
58 BICEPS C, FLEXED, L	.7065	.7033	.5400	.1188	.4704	.5510	.4607	.4273	.5011	.0739	.3067	.0217	.3336	.2894	.2580
59 ELBOW CIRC, FLEXED	.3755	.4159	.4331	.2037	.2901	.3588	.3006	.3237	.3167	.2517	.3079	.2748	.2534	.3809	.4291
60 FOREARM C, RELAXED	.6164	.6507	.5752	.1972	.4227	.5122	.4563	.4544	.5057	.2080	.3488	.1314	.3723	.4151	.4100
61 FOREARM C, FLEXED	.5829	.6244	.5583	.2007	.4137	.5022	.4445	.4435	.4778	.2091	.3519	.1305	.3504	.3954	.3931
62 WRIST CIRCUMFERENCE	.4149	.4408	.4856	.2521	.3654	.4324	.3428	.4039	.3975	.3258	.2668	.2880	.3273	.4642	.4905
63 BIACROMIAL BREADTH	.2800	.2912	.3219	.6177	.2692	.3541	.4227	.4193	.3261	.2795	.2668	.3870	.3782	.5911	.5817
64 BICELOID BREADTH	.6609	.6702	.5309	.3015	.4959	.5847	.6249	.5604	.5896	.1406	.3440	.1421	.4559	.4898	.4512
65 CHEST BREADTH	.5950	.5311	.4785	.2032	.4383	.5274	.5940	.5200	.6139	.1365	.3390	.0877	.4498	.4233	.3941
66 BUST PT-BUST PT BR	.5087	.4574	.3555	.1012	.4901	.5327	.3273	.3002	.3523	.0939	.3119	.0883	.2382	.2925	.2755
67 WAIST BREADTH	.6866	.6345	.4837	.1817	.4791	.5506	.5022	.4719	.5819	.2259	.3656	.1700	.3746	.4117	.4075
68 HIP BREADTH	.6023	.6729	.5475	.2148	.4340	.4792	.3627	.4144	.4413	.2028	.2919	.1639	.2853	.3981	.3743
69 THIGH-THIGH BR, SIT	.6738	.7349	.4955	.1535	.4498	.4954	.3838	.3979	.4557	.1423	.2677	.0474	.2841	.3292	.2866
70 HUMERAL BREADTH, R	.2867	.3171	.4203	.2331	.2837	.3451	.2881	.3403	.2855	.3209	.3265	.2883	.3127	.4342	.4644
71 HUMERAL BREADTH, L	.2895	.3135	.4199	.2287	.2761	.3369	.2869	.3333	.2967	.3263	.3278	.2989	.3069	.4287	.4657
72 FEMORAL BREADTH, R	.3208	.2879	.4527	.1474	.2735	.2971	.2446	.3175	.2642	.2106	.2653	.1661	.3058	.3223	.3226
73 FEMORAL BREADTH, L	.3470	.3144	.4632	.1429	.2841	.3124	.2568	.3278	.2984	.2116	.2691	.1681	.3106	.3310	.3334
74 CHEST DEPTH	.7132	.6402	.4676	.0954	.6257	.6580	.4676	.4080	.5474	.1204	.3427	.0835	.3104	.3399	.3182
75 WAIST DEPTH	.8615	.6859	.4478	.0892	.5046	.5565	.4516	.3965	.5251	.0791	.2950	.0440	.3062	.2897	.2670
76 ABDOMINAL EXT DPTH	.7695	.5258	.5913	.1217	.4460	.5107	.4332	.3845	.4927	.0975	.2776	.1007	.2547	.3139	.3085
77 BUTTOCK DEPTH	.7695	.5913	.5913	.2012	.3429	.3847	.3359	.3857	.3821	.1981	.2379	.2680	.3161	.4062	.4361
78 THIGH CLEARANCE	.5258	.5913	.1217	.2012	.2879	.2263	.2308	.2924	.0748	.2610	.1707	.3725	.2281	.4585	.4438
79 SHOULDER LENGTH	.0965	.1217	.2012	.2879	.2879	.2263	.2308	.2924	.0748	.2610	.1707	.3725	.2281	.4585	.4438
80 NECK-BUST POINT L	.4966	.4460	.3429	.2879	.2879	.2263	.2308	.2924	.0748	.2610	.1707	.3725	.2281	.4585	.4438
81 STRAP LENGTH	.5441	.5107	.3847	.2263	.2308	.2263	.2308	.2924	.0748	.2610	.1707	.3725	.2281	.4585	.4438
82 INTERSCYE	.4724	.4332	.3359	.2308	.3661	.4540	.4540	.4531	.5512	.4531	.4531	.4531	.4531	.4531	.4531
83 INTERSCYE, MAXIMUM	.4150	.3845	.3857	.2924	.4151	.4531	.4531	.4531	.5512	.4531	.4531	.4531	.4531	.4531	.4531
84 BACK CURVATURE	.5401	.4927	.3821	.0748	.3447	.4388	.4540	.4531	.5512	.4531	.4531	.4531	.4531	.4531	.4531
85 WAIST BACK	.0548	.0975	.1981	.2610	.1604	.1871	.1543	.2017	.1701	.4522	.1876	.1876	.1876	.1876	.1876
86 ANTERIOR WAIST LTH	.2903	.2776	.2979	.1707	.3094	.3839	.2176	.2536	.2723	.4522	.1876	.1876	.1876	.1876	.1876
87 SLEEVE INSEAM	.0604	.1007	.2680	.3725	.0819	.0936	.0863	.2220	.0689	.3524	.1876	.1876	.1876	.1876	.1876
88 SPINE-TO-SCYE LGTH	.3186	.2647	.3161	.2281	.3114	.3544	.5587	.5050	.3796	.1621	.2057	.1132	.1132	.1132	.1132
89 SPINE-TO-ELBOW LTH	.3100	.3139	.4062	.4585	.3146	.3730	.3848	.4531	.3879	.3569	.3096	.6554	.5468	.5468	.5468
90 SPINE-TO-WRIST LTH	.2818	.3085	.4361	.4438	.2770	.3362	.3347	.4334	.3470	.3813	.3138	.7919	.4664	.9349	.9349

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91 HAND LENGTH	.1581	.1511	.3456	.3139	.2043	.2209	.1223	.2081	.1847	.3338	.2298	.4736	.1912	.4925	.5581
92 HAND BREADTH	.2153	.2202	.3204	.2032	.2333	.2718	.2018	.2730	.2366	.2462	.2202	.2558	.2425	.3776	.4142
93 HAND CIRCUMFERENCE	.2852	.2937	.3919	.1972	.2739	.3273	.2324	.2967	.2841	.2588	.2828	.2133	.2835	.3691	.4048
94 FOOT LENGTH	.2529	.2743	.4119	.3456	.2538	.2893	.1987	.3083	.2478	.3339	.2839	.5723	.2323	.5613	.6474
95 FOOT BREADTH	.2196	.2525	.2969	.2056	.1213	.1726	.1468	.1594	.1811	.2072	.1594	.2941	.1296	.3226	.3754
96 HEAD LENGTH	.1471	.1781	.2361	.1717	.1310	.1723	.1407	.1425	.1501	.1527	.1250	.1949	.1697	.2797	.2981
97 HEAD BREADTH	.2388	.1761	.1790	.0626	.2040	.2273	.1696	.1754	.2077	.0397	.0743	.0354	.1829	.1870	.1676
98 HEAD CIRCUMFERENCE	.2472	.2918	.3142	.2135	.1928	.2458	.2043	.1833	.2047	.1694	.1591	.2485	.1863	.3260	.3584
99 TRAGION-TOE HEAD	.1364	.1451	.1258	.1208	.0955	.1217	.1254	.0801	.0469	.1125	.0958	.1683	.0785	.1850	.2018
100 ECTOCANTHUS-TOE HD	.0687	.1034	.1042	.0951	.0355	.0781	.0931	.0298	.0309	.1125	.1086	.1853	.0584	.1671	.1933
101 PRONASALE-TOE HEAD	.0213	.0686	.0735	.1210	.0469	.0886	.0731	.0647	.0224	.1105	.1052	.1841	.0761	.1858	.2070
102 SUBNASALE-TOE HEAD	.0424	.0996	.0970	.1454	.0497	.1034	.1015	.0733	.0466	.1430	.1237	.2272	.0769	.2162	.2472
103 STOMION-TOE HEAD	.0406	.1043	.1234	.1438	.0564	.1046	.0888	.0673	.0366	.1464	.1354	.2380	.0824	.2222	.2571
104 MENTON-TOE HEAD	.1014	.1610	.1806	.1805	.0775	.1473	.1359	.0933	.0917	.1771	.1635	.2598	.1161	.2845	.3243
105 TRAGION TO WALL	.1315	.1756	.1458	.1231	.0758	.0998	.1153	.0783	.0795	.0933	.0958	.1984	.0450	.1749	.2171
106 ECTOCANTHUS-WALL	.1860	.2315	.1902	.1934	.1241	.1557	.1480	.1033	.1184	.1275	.1173	.2422	.0842	.2485	.2888
107 PRONASALE TO WALL	.2132	.2552	.2413	.2085	.1596	.1858	.1728	.1571	.1554	.1588	.1319	.2538	.1317	.2814	.3214
108 SUBNASALE TO WALL	.2072	.2503	.2378	.1831	.1252	.1482	.1567	.1248	.1264	.1242	.1008	.2430	.0958	.2393	.2897
109 LIP PROTRUSION-WALL	.1996	.2361	.2179	.1617	.1144	.1247	.1410	.0963	.1087	.0795	.0625	.2098	.0693	.1917	.2441
110 MENTON TO WALL	.2453	.2606	.1861	.1293	.1408	.1584	.1913	.1628	.1709	.0612	.0632	.1317	.1174	.1799	.2096
111 SAGITTAL CURVATURE	.1277	.1609	.1466	.1497	.1242	.1514	.1406	.1433	.0962	.1781	.1143	.2037	.1079	.2332	.2543
112 BITRAGION-CORONAL	.2052	.2077	.2185	.1035	.1759	.2050	.1588	.1552	.1502	.1336	.0931	.1472	.1304	.2234	.2323
113 BIOLAR BREADTH	.1276	.1053	.1976	.0763	.1277	.1505	.1174	.1829	.1108	.0872	.0806	.1295	.1771	.1954	.2196
114 BIOLAR BREADTH	.1218	.1370	.1260	.1203	.1028	.1321	.1141	.1444	.1372	.0953	.1074	.1035	.1196	.1854	.1771
115 BITRAGION BREADTH	.2785	.2404	.2396	.1393	.2297	.2766	.2305	.2543	.2650	.0386	.1266	.1262	.2256	.2910	.2887
116 BIZYGOMATIC BREADTH	.2404	.1768	.2514	.0805	.2083	.2570	.1838	.2468	.2485	.0759	.1338	.0839	.2241	.2345	.2361
117 BIGONIAL BREADTH	.2674	.2010	.2613	.0250	.2417	.2681	.2253	.2578	.2515	.0579	.1238	.0004	.2438	.1823	.1629
118 NASAL BREADTH	.0883	.0758	.1169	.0786	.0363	.0580	.0665	.0048	.0006	.0107	.0047	.1204	.0296	.0607	.1189
119 LIP LENGTH	.0509	.0200	.1136	.0491	.0968	.0871	.0538	.0411	.0407	.0073	.0009	.0602	.0847	.0760	.1009
120 MENTON-SUBNASALE L	.1296	.1499	.1726	.0865	.0816	.1122	.0743	.0541	.0794	.1003	.0894	.1186	.0734	.1617	.1868
121 MENTON-SELLION LTH	.1529	.1239	.1552	.1621	.1616	.2055	.1412	.1636	.1248	.1538	.1290	.1509	.1608	.2470	.2657
122 SUBNASALE-SELLION	.0863	.0560	.0632	.1212	.1431	.1629	.0976	.1505	.0970	.1259	.0734	.0951	.1002	.1544	.1647
123 EAR LENGTH	.2488	.2107	.1767	.0874	.1968	.2166	.1804	.1892	.1736	.0388	.1493	.1198	.0942	.1729	.1876
124 EAR BREADTH	.0829	.1189	.1144	.0666	.0614	.0859	.0925	.0693	.0531	.0507	.0453	.1075	.0584	.1291	.1556
125 GRIP STRENGTH	.1352	.2260	.2482	.1683	.2014	.2532	.2429	.2834	.2554	.2212	.2014	.2115	.2779	.3505	.3602
139 STATURE REPORTED	.2258	.2013	.4422	.3605	.2787	.3319	.2036	.3616	.2622	.5782	.4446	.6928	.2641	.6751	.7545
140 WEIGHT REPORTED	.7571	.7630	.6883	.2794	.5556	.6377	.5193	.5594	.5820	.3095	.4528	.3023	.4246	.5713	.5703

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

1	AGE	.0802	.1399	.1375	.0555	.0066	.1177	.1305	.0945	.0668	.0606	.0961	.0694	.0575	.104	.105
2	HEIGHT	.3830	.4171	.4950	.5100	.3926	.3039	.2896	.4028	.2217	.1678	.1454	.1832	.1859	.0649	.0862
3	TRICEPS SKINFOLD	.0055	.0574	.1543	.0522	.0552	.0580	.1556	.1067	.0597	.0219	.0134	.0141	.0041	.0331	.0754
4	SUBSCAPULAR SKINFOLD	-.0197	.0455	.1240	.0385	.0400	.0210	.1328	.0987	.0700	.0122	-.0196	-.0014	-.0143	.0093	.0850
5	SUPRAILAC SKINFOLD	.0496	.0840	.1684	.1002	.0659	.0516	.1416	.0968	.0631	.0109	-.0265	-.0194	-.0209	.0060	.0809
6	MEDIAL CALF SKINFOLD	-.0584	.0021	.0459	-.0213	.0305	.0352	.0905	.0630	.0591	.0107	-.0110	.0001	-.0073	.0128	.0380
7	STATURE	.6013	.3796	.3648	.6916	.3554	.3184	.1360	.3306	.2445	.2355	.2404	.2867	.2941	.3592	.1773
8	STATURE, MAXIMUM	.6047	.3814	.3666	.6959	.3545	.3214	.1366	.3346	.2419	.2335	.2378	.2841	.2923	.3577	.1775
9	CERVICAL HEIGHT	.6039	.3757	.3636	.6966	.3460	.2990	.1212	.3084	.2079	.1976	.1992	.2445	.2541	.3157	.1878
10	ACROMIAL HEIGHT	.5923	.3757	.3684	.6837	.3494	.2977	.1339	.3108	.2064	.1969	.1953	.2412	.2473	.3148	.1877
11	SUPRASTERNAL HEIGHT	.6085	.3774	.3744	.6960	.3568	.3067	.1171	.3190	.2143	.2110	.2112	.2588	.2694	.3347	.1855
12	BUST POINT HEIGHT	.5699	.3341	.3214	.6457	.3411	.2840	.0851	.2844	.1899	.1938	.1924	.2411	.2447	.3087	.1859
13	WAIST HEIGHT	.6027	.3401	.3214	.6798	.3407	.2968	.1225	.3057	.2050	.1942	.1925	.2345	.2456	.3018	.1875
14	ABDOMINAL EXT HGT	.6039	.3324	.3080	.6609	.3199	.2833	.0901	.2804	.1933	.1924	.1896	.2298	.2461	.3027	.1841
15	TROCHANTERIC HGT	.5989	.3285	.3000	.6575	.3437	.2868	.0955	.3175	.2158	.2127	.1889	.2392	.2499	.3147	.1950
16	BUTTOCK HEIGHT	.5724	.3149	.3066	.6371	.3002	.2701	.1061	.2760	.1769	.1629	.1452	.1848	.2057	.2507	.1840
17	GLUTEAL FURROW HGT	.5458	.2765	.2503	.6022	.2842	.2416	.0874	.2506	.1868	.1778	.1564	.1954	.2057	.2455	.1797
18	TIBIAL HEIGHT	.4984	.3134	.3026	.6111	.2916	.2287	.1010	.2513	.1741	.1713	.1737	.2111	.2208	.2529	.1882
19	CROTCH HEIGHT	.5851	.3282	.2998	.6644	.3108	.2796	.0888	.2945	.1905	.1904	.1764	.2174	.2362	.2891	.1942
20	ANKLE HEIGHT	.0623	.1575	.1494	.2709	.1751	.0321	.0013	.0949	.1098	.1218	.1002	.1409	.1333	.1049	.1502
21	LAT'L MALLEOLUS HT	.3095	.2093	.2249	.2728	.1548	.1522	.0881	.1164	.0719	.0758	.0928	.1152	.1025	.1432	.0504
22	SITTING HT, RELAXED	.4024	.3035	.2983	.4847	.2536	.2584	.1288	.2729	.2264	.2080	.2258	.2651	.2621	.3135	.0998
23	SITTING HEIGHT	.4145	.3196	.3187	.5088	.2708	.2746	.1356	.2943	.2320	.2110	.2269	.2688	.2647	.3203	.1149
24	EYE HEIGHT, SITTING	.3831	.2922	.2856	.4501	.2184	.2288	.1035	.2135	.1313	.0795	.1095	.1430	.1452	.2014	.0909
25	MIDSHOULDER HT, SIT	.3602	.2975	.3128	.4551	.2550	.2081	.1292	.2409	.1513	.1308	.1372	.1808	.1758	.2273	.1280
26	WAIST HGT, SITTING	.1963	.1626	.1652	.2704	.1379	.1399	.1050	.1342	.0841	.0611	.0741	.1002	.0859	.1085	.0663
27	ELBOW REST HEIGHT	.0126	.0638	.0850	.0370	.0091	.0402	.0374	.0206	-.0053	-.0192	-.0086	.0006	.0011	.0070	-.0453
28	POPLITEAL HEIGHT	.5569	.3392	.3117	.5915	.2808	.2528	.0858	.2353	.1365	.1369	.1233	.1596	.1849	.2334	.1354
29	BUTTOCK-POPLIT'L	.4470	.2637	.2641	.5239	.2876	.2489	.1112	.2927	.1770	.1605	.1511	.1785	.1915	.2480	.2126
30	BUTTOCK-KNEE LENGTH	.5145	.3445	.3617	.6262	.3608	.2962	.1397	.3444	.2141	.1946	.1640	.2076	.2259	.2912	.2387
31	ACROMION-RADIAL LENGTH	.5726	.3293	.3085	.5776	.2763	.2578	.1092	.2724	.1492	.1492	.1606	.1870	.1950	.2493	.1398
32	RADIAL-STYLION L	.4622	.3075	.2978	.5887	.3132	.2193	.0928	.2949	.1818	.2018	.1865	.2319	.2428	.2863	.2167
33	THUMB-TIP REACH	.5233	.3539	.3450	.5915	.3266	.2197	.1370	.2732	.2150	.1974	.1892	.2220	.2347	.2921	.1864
34	THUMB-TIP, EXTENDED	.4553	.3079	.2840	.5334	.3155	.2445	.0849	.3095	.1820	.1681	.1563	.1985	.1961	.2501	.2029
35	OVERHEAD REACH	.5664	.3537	.3376	.6602	.3711	.2782	.1147	.3283	.2318	.2170	.2063	.2645	.2691	.3290	.2020
36	NECK CIRCUMFERENCE	.1874	.3648	.3513	.3240	.2650	.1795	.2779	.3349	.1795	.1252	.0865	.1587	.1447	.2367	.1828
37	SHOULDER CIRCUMFERENCE	.2889	.3547	.4243	.3427	.2873	.2476	.2518	.3304	.1530	.1201	.1104	.1400	.1378	.2062	.1674
38	CHEST CIRC AT SCV	.2228	.3270	.4213	.3050	.2572	.2078	.2405	.2825	.1502	.1017	.0867	.1125	.1057	.1663	.1631
39	BUST CIRCUMFERENCE	.1906	.2868	.3670	.2770	.2055	.2037	.2555	.2732	.1415	.0831	.0631	.0834	.0796	.1342	.1646
40	CHEST C BELOW BUST	.2232	.3131	.3791	.3038	.2431	.2044	.2623	.2733	.1443	.0936	.0762	.1013	.0937	.1542	.1380
41	WAIST CIRCUMFERENCE	.2160	.2721	.3684	.3197	.2592	.1491	.2672	.2813	.1416	.0750	.0335	.0667	.0622	.1343	.1500
42	ABDOMINAL EXT CIRC	.1432	.2331	.2838	.2301	.1970	.1247	.2531	.2223	.1125	.0358	.0153	.0354	.0163	.0740	.0935
43	HIP C-7""BLW WAIST	.2301	.2822	.3535	.3484	.2949	.1999	.2490	.2970	.1495	.0829	.0633	.0937	.0884	.1619	.1649
44	HIP C-9""BLW WAIST	.2183	.2744	.3416	.3505	.2970	.2138	.2379	.3103	.1544	.1010	.0853	.1137	.1100	.1765	.1601
45	UPPER THIGH CIRCUM	.1622	.2389	.3145	.2671	.2552	.1892	.2277	.2715	.1230	.0740	.0587	.0719	.0765	.1358	.1345

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
46 KNEE CIRCUMFERENCE	.2520	.3246	.4131	.4035	.3550	.2104	.2384	.3217	.1817	.1399	.1278	.1556	.1643	.2218	.1600
47 CALF CIRCUM, RIGHT	.2331	.3211	.3917	.3565	.3761	.2091	.2053	.2902	.1641	.1308	.1062	.1389	.1442	.2017	.1261
48 CALF CIRCUM, LEFT	.2359	.3214	.3897	.3543	.3724	.2169	.2018	.2985	.1619	.1239	.0997	.1332	.1371	.1957	.1265
49 ANKLE CIRCUMFERENCE	.2756	.3739	.4477	.4336	.4122	.1934	.1702	.2704	.1506	.1336	.1273	.1631	.1690	.2212	.1135
50 VERTICAL TRUNK CIR	.3317	.3336	.4157	.4574	.4224	.2495	.1995	.3223	.1956	.1602	.1492	.1923	.1801	.2552	.1918
51 VERTICAL TRK C, SIT	.3671	.3367	.4006	.4903	.3153	.2431	.1872	.2965	.1861	.1434	.1429	.1840	.1720	.2411	.1726
52 BUTTOCK CIRC, SIT	.2430	.2969	.3580	.3760	.3054	.2196	.2445	.3146	.1624	.1021	.0829	.1115	.1107	.1811	.1617
53 SCYE CIRCUMFERENCE	.2912	.3776	.4937	.3666	.2958	.1913	.2179	.2579	.1534	.1105	.0956	.1176	.1171	.1810	.1708
54 AXILLARY ARM CIRC	.1053	.2596	.3909	.1861	.2034	.1431	.2268	.2266	.1007	.0469	.0295	.0529	.0422	.0983	.1419
55 BICEPS C, RELAXED, R	.1127	.2713	.3904	.1827	.2119	.1642	.2181	.2326	.1226	.0758	.0565	.0699	.0621	.1154	.1300
56 BICEPS C, FLEXED, R	.1549	.3073	.4240	.2082	.2321	.1794	.2131	.2455	.1193	.0838	.0683	.0795	.0751	.1307	.1322
57 BICEPS C, RELAXED, L	.0899	.2452	.3472	.1847	.2166	.1573	.2154	.2414	.1119	.0719	.0576	.0752	.0639	.1172	.1363
58 BICEPS C, FLEXED, L	.1159	.2724	.3848	.2040	.2290	.1680	.2132	.2413	.1076	.0721	.0585	.0726	.0649	.1183	.1390
59 ELBOW CIRC, FLEXED	.3698	.3620	.4803	.4138	.3272	.2383	.1317	.2600	.1643	.1676	.1493	.1696	.1903	.2369	.1505
60 FOREARM C, RELAXED	.3073	.4347	.5658	.3795	.3620	.2410	.2375	.3272	.1603	.1326	.1176	.1464	.1523	.2271	.1732
61 FOREARM C, FLEXED	.3064	.4186	.5677	.3666	.3524	.2391	.2268	.3128	.1666	.1432	.1251	.1456	.1582	.2326	.1555
62 WRIST CIRCUMFERENCE	.4855	.5736	.7058	.5297	.4616	.2537	.1878	.3034	.1452	.1266	.1232	.1516	.1748	.2353	.1399
63 BIACROMIAL BREADTH	.3648	.3236	.3627	.4262	.3246	.2388	.1785	.3113	.1861	.1779	.2008	.2401	.2381	.2996	.1691
64 BIELTLOID BREADTH	.2346	.3153	.4014	.3198	.2866	.2043	.2331	.3003	.1572	.1118	.1014	.1346	.1287	.1944	.1659
65 CHEST BREADTH	.2185	.2854	.3457	.2779	.2367	.2303	.2191	.2783	.1541	.1137	.0980	.1333	.1251	.1881	.1373
66 BUST PT-BUST PT BR	.1916	.2287	.2983	.2316	.1863	.2054	.1756	.2255	.1208	.0814	.0698	.0880	.0867	.1432	.1570
67 WAIST BREADTH	.2589	.3032	.3832	.3564	.2843	.1680	.2632	.2920	.1461	.0825	.0527	.0856	.0871	.1516	.1223
68 HIP BREADTH	.1964	.2231	.2636	.3168	.2530	.1834	.1878	.2650	.1304	.0786	.0758	.0997	.0927	.1450	.1114
69 THIGH-THIGH BR, SIT	.1093	.1947	.2330	.2255	.2123	.1768	.2179	.2551	.1304	.0745	.0648	.0854	.0756	.1282	.1049
70 HUMERAL BREADTH, R	.4638	.4981	.5472	.4853	.3633	.2439	.1621	.2576	.1403	.1291	.1272	.1440	.1572	.2208	.1221
71 HUMERAL BREADTH, L	.4570	.4949	.5462	.4956	.3716	.2450	.1487	.2600	.1350	.1225	.1279	.1449	.1602	.2218	.1292
72 FEMORAL BREADTH, R	.3025	.3032	.3694	.3356	.2076	.1867	.1775	.2011	.0710	.0642	.0728	.0775	.0821	.1257	.0269
73 FEMORAL BREADTH, L	.3189	.3179	.3828	.3501	.2251	.1937	.1792	.2105	.0759	.0667	.0772	.0836	.0872	.1328	.0322
74 CHEST DEPTH	.1962	.2545	.3192	.2664	.1774	.1804	.2316	.2366	.1100	.0493	.0220	.0382	.0413	.0851	.1601
75 WAIST DEPTH	.1718	.2201	.3064	.2459	.2015	.1279	.2249	.2335	.1152	.0549	.0191	.0378	.0385	.0980	.1106
76 ABDOMINAL EXT DPTH	.1581	.2153	.2852	.2529	.2196	.1471	.2388	.2472	.1364	.0687	.0213	.0424	.0406	.1014	.1315
77 BUTTOCK DEPTH	.1511	.2202	.2957	.2743	.2525	.1781	.1761	.2918	.1461	.1034	.0686	.0970	.1234	.1806	.1458
78 THIGH CLEARANCE	.3456	.3204	.3919	.4119	.2969	.2361	.1790	.3142	.1268	.1042	.0735	.0970	.1043	.1610	.1756
79 SHOULDER LENGTH	.3139	.2032	.1912	.3456	.2056	.1717	.0626	.2136	.1208	.0951	.1210	.1454	.1438	.1806	.1231
80 NECK-BUST POINT L	.2043	.2333	.2739	.2538	.1213	.1310	.2040	.1928	.0955	.0355	.0469	.0497	.0564	.0775	.0758
81 STRAP LENGTH	.2209	.2718	.3273	.2893	.1726	.1723	.2273	.2458	.1217	.0781	.0886	.1034	.1046	.1473	.0998
82 INTERSCYE	.1223	.2018	.2324	.1987	.1468	.1407	.1596	.2043	.1264	.0981	.0791	.1015	.0888	.1369	.1153
83 INTERSCYE, MAXIMUM	.2081	.2730	.2967	.3088	.1594	.1425	.1754	.1853	.0801	.0298	.0647	.0739	.0933	.0933	.0789
84 BACK CURVATURE	.1847	.2566	.2641	.2478	.1811	.1501	.2077	.2047	.0469	.0309	.0224	.0466	.0366	.0917	.0795
85 WAIST BACK	.3338	.2452	.2588	.3939	.2072	.1527	.0397	.1694	.1125	.1125	.1105	.1430	.1454	.1771	.0893
86 ANTERIOR WAIST LTH	.2298	.2252	.2328	.2839	.1594	.1260	.0743	.1591	.0958	.1086	.1052	.1297	.1354	.1695	.0958
87 SLEEVE INSEAM	.4736	.2558	.2133	.5723	.2941	.1949	.0354	.2485	.1683	.1853	.1841	.2272	.2380	.2598	.1984
88 SPINE-TO-SCYE LGTH	.1912	.2425	.2835	.2323	.1296	.1697	.1829	.1863	.0785	.0584	.0761	.0769	.0824	.1161	.0450
89 SPINE-TO-ELBOW LTH	.4925	.3776	.3691	.5613	.3226	.2797	.1870	.3260	.1850	.1671	.1858	.2162	.2222	.2846	.1749
90 SPINE-TO-WRIST LTH	.5581	.4142	.4048	.6474	.3754	.2981	.1576	.3584	.2018	.1933	.2070	.2472	.2571	.3243	.2171

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

91	HAND LENGTH	.91	.92	.93	.94	.95	.96	.97	.98	.99	100	101	102	103	104	105
92	HAND BREADTH	.4872	.4872	.4809	.7135	.3799	.3160	.1326	.3141	.1877	.1758	.1793	.2053	.2392	.3089	.1320
93	HAND CIRCUMFERENCE	.4809	.7363	.7363	.4834	.4867	.2413	.2308	.2874	.0990	.1043	.1050	.1315	.1428	.2298	.0713
94	FOOT LENGTH	.7135	.4834	.4709	.4709	.4843	.2355	.1852	.2750	.1083	.1241	.1206	.1320	.1553	.2118	.0812
95	FOOT BREADTH	.3799	.4467	.4843	.5151	.5151	.3300	.1863	.3981	.2348	.2341	.2238	.2732	.2971	.3679	.1919
96	HEAD LENGTH	.3160	.2413	.2355	.3300	.1998	.1279	.2760	.1868	.1859	.1859	.1557	.1952	.2255	.2814	.1479
97	HEAD BREADTH	.1326	.2308	.1862	.1863	.1279	.1152	.4302	.4302	.2595	.1364	.1170	.1231	.0962	.1652	.0157
98	HEAD CIRCUMFERENCE	.3141	.2874	.2750	.3981	.2760	.6920	.2595	.3727	.3587	.3391	.3748	.3995	.4652	.3322	
99	TRAGION-TOP HEAD	.1877	.0990	.1083	.2348	.1868	.2505	.2595	.3727	.7758	.6002	.6002	.6404	.6454	.6556	.3151
100	ECTOCANTHUS-TOP HD	.1758	.1043	.1241	.2341	.1859	.2689	.1364	.3587	.7758	.8608	.8608	.8805	.8664	.8116	.2338
101	PRONASALE-TOP HEAD	.1793	.1050	.1206	.2238	.1557	.2907	.1170	.3391	.6002	.8608	.9435	.9435	.9010	.8191	.1573
102	PRONASALE-TOP HEAD	.2053	.1315	.1320	.2732	.1952	.3022	.1231	.3788	.6404	.8805	.8805	.8805	.8664	.8116	.2338
103	STOMION-TOP HEAD	.2392	.1428	.1553	.2971	.2255	.3357	.0352	.3992	.6454	.8664	.9010	.9454	.9454	.9004	.2653
104	MENTON-TOP HEAD	.3089	.2298	.2118	.3673	.2814	.3954	.1652	.4652	.6556	.8116	.8191	.8781	.8781	.8781	.2006
105	TRAGION TO WALL	.1320	.0713	.0812	.1913	.1479	.3844	.0157	.3322	.3151	.2338	.1573	.2006	.2256	.2653	
106	ECTOCANTHUS-WALL	.2126	.1685	.1672	.2854	.2310	.5320	.0838	.4916	.3754	.3052	.2417	.2999	.3216	.3829	.8604
107	PRONASALE TO WALL	.2847	.2028	.2232	.3333	.2570	.5805	.0776	.4933	.3514	.2174	.1365	.1954	.2331	.2997	.7311
108	SUBNASALE TO WALL	.2591	.1650	.1998	.3106	.2527	.5227	.0331	.4625	.3143	.1546	.0419	.1108	.1647	.2292	.7393
109	LIP PROTRUSION-WALL	.2427	.1540	.1794	.2725	.2286	.4756	.0328	.4233	.2851	.1102	.0247	.0397	.0968	.1758	.7160
110	MENTON TO WALL	.1677	.1342	.1395	.2029	.1751	.3668	.0659	.3139	.2031	.0030	.1408	.1045	.0843	.0086	.6176
111	SAGITTAL CURVATURE	.1390	.2231	.1532	.2413	.1900	.4541	.2315	.5944	.3441	.3609	.3326	.3713	.3558	.4073	.2096
112	BITRAGION-CORONAL	.2360	.1623	.1919	.2786	.2046	.2698	.4201	.5416	.5245	.4065	.3487	.3633	.3822	.4046	.1221
113	BIOCULAR BREADTH	.2658	.1309	.2502	.2647	.1773	.2093	.2130	.2569	.1261	.1476	.1834	.1571	.1962	.1694	.0291
114	BIACRICULAR BREADTH	.0789	.0040	.1301	.1693	.1764	.0638	.2818	.2174	.1601	.1557	.1920	.1737	.1765	.1098	.0595
115	BITRAGION BREADTH	.2292	.2750	.3007	.2671	.1558	.1564	.5054	.4079	.1519	.1116	.1366	.1547	.1489	.1911	.0410
116	BIZYGOMATIC BREADTH	.2491	.2946	.3055	.2353	.1362	.1134	.4970	.2987	.1027	.0307	.0446	.0645	.0801	.1345	.0295
117	BITAGONIAL BREADTH	.2099	.2179	.2937	.1770	.1216	.1243	.3369	.2130	.0278	.0137	.0380	.0176	.0462	.0501	.0502
118	NASAL BREADTH	.2289	.2414	.2051	.2137	.2151	.1986	.1749	.3056	.1521	.1715	.1302	.1604	.1642	.2426	.1276
119	LIP LENGTH	.2309	.2517	.1790	.1595	.1240	.1612	.1740	.2087	.0504	.0560	.0292	.0409	.0600	.1252	.0144
120	MENTON-SUBNASALE L	.1947	.1109	.1555	.2369	.2041	.2593	.0250	.2257	.1869	.1514	.1147	.1410	.0600	.1252	.0144
121	MENTON-SELLION LTH	.2700	.2302	.2199	.2975	.2157	.3107	.1743	.2725	.1593	.0851	.1515	.1753	.2272	.4165	.1314
122	SUBNASALE-SELLION	.1895	.1934	.1428	.2091	.1277	.1758	.1346	.1785	.0736	.0057	.1458	.1503	.1172	.1988	.0238
123	EAR LENGTH	.1651	.1451	.1823	.2051	.1621	.1494	.0804	.1905	.0894	.1127	.1478	.1589	.1643	.1646	.0867
124	EAR BREADTH	.1003	.0617	.1001	.1477	.1401	.1029	.0002	.1108	.0371	.1084	.1332	.1367	.1546	.1351	.1115
125	GRIP STRENGTH	.3060	.4010	.4352	.3222	.2121	.1737	.3314	.1801	.0800	.2219	.1229	.1274	.1692	.1034	
139	STATURE REPORTED	.6024	.3922	.3777	.6875	.3571	.3098	.1400	.3268	.2356	.2219	.2251	.2698	.2787	.3432	.1767
140	WEIGHT REPORTED	.3872	.4034	.4688	.5126	.3720	.3053	.2843	.3395	.2021	.1567	.1484	.1631	.1859	.2724	.1881

TABLE IV (continued)

		CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968																
		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
1	AGE	.1378	.1450	.0837	.0691	.1446	.0361	.0566	.0864	.1233	.2453	.0888	.1464	.0633	.0438	.0378		
2	WEIGHT	.2912	.3445	.3111	.2696	.3033	.2369	.3030	.2341	.2160	.3919	.3580	.3466	.1000	.0830	.2107		
3	TRICEPS SKINFOLD	.0923	.0992	.0818	.0643	.1317	.0353	.1244	.0812	.1163	.2076	.2067	.2353	.0470	.0487	.0517		
4	SUBSCAPULAR SKINFOLD	.0987	.1037	.1196	.1209	.1970	.0333	.1232	.0644	.1045	.2066	.1893	.2216	.0549	.0120	.0417		
5	SUPRATILAC SKINFOLD	.0860	.0994	.1037	.1046	.1620	.0252	.1240	.1184	.0501	.1669	.2344	.2723	.0068	.0088	.0346		
6	MEDIAL CALF SKINFOLD	.0265	.0467	.0366	.0264	.0712	.0412	.0830	.0220	.0283	.1106	.1310	.0909	.0991	.0681	.0043		
7	STATURE	.2412	.2797	.2300	.1629	.1068	.2789	.2431	.1918	.1515	.2282	.1986	.1424	.0321	.0606	.1812		
8	STATURE, MAXIMUM	.2418	.2814	.2327	.1661	.1083	.2802	.2450	.1959	.1523	.2208	.2029	.1525	.0412	.0735	.1692		
9	CERVICAL HEIGHT	.2439	.2887	.2451	.1843	.1362	.2448	.2138	.2028	.1378	.2208	.2029	.1525	.0412	.0735	.1692		
10	ACROMIAL HEIGHT	.2427	.2871	.2445	.1847	.1460	.2422	.2188	.1943	.1456	.2366	.2063	.1581	.0405	.0643	.1756		
11	SUPRATERNALE HGT	.2470	.2898	.2483	.1862	.1352	.2440	.2158	.2018	.1435	.2221	.2026	.1456	.0567	.0716	.1803		
12	BUST POINT HEIGHT	.2355	.2685	.2360	.1790	.1224	.2253	.1737	.1768	.1334	.1881	.1616	.0981	.0488	.0484	.1636		
13	WAIST HEIGHT	.2410	.2851	.2527	.2007	.1449	.2175	.2110	.2112	.1351	.2220	.2000	.1496	.0653	.0933	.1653		
14	ABDOMINAL EXT HGT	.2225	.2680	.2375	.1874	.1271	.1956	.1945	.2039	.1103	.1861	.1855	.1300	.0718	.0937	.1611		
15	TROCHANTERIC HGT	.2582	.2915	.2729	.2309	.1631	.1993	.2142	.1844	.1259	.1927	.1479	.0902	.1097	.0834	.1812		
16	BUTTOCK HEIGHT	.2126	.2511	.2330	.1933	.1355	.1647	.1983	.1959	.0989	.1808	.1921	.1496	.0899	.0997	.1636		
17	GLUTEAL FURROW HGT	.2200	.2482	.2304	.1918	.1356	.1724	.1787	.1549	.0878	.1517	.1453	.0932	.0699	.0669	.1232		
18	TIBIALE HEIGHT	.2216	.2586	.2398	.1895	.1463	.1982	.1648	.1872	.1140	.1784	.1774	.1198	.0867	.0896	.1084		
19	CROTCH HEIGHT	.2441	.2692	.2565	.2169	.1455	.1960	.1969	.1984	.0997	.1735	.1717	.1125	.1140	.1047	.1666		
20	ANKLE HEIGHT	.1541	.1514	.1554	.1188	.1033	.1913	.0271	.0325	.0538	.0750	.0193	.0173	.0664	.0263	.0058		
21	LAT'L MALLEOLUS HT	.0521	.0901	.0468	.0064	.0031	.0808	.0909	.1069	.0243	.1252	.1602	.1235	.0350	.0152	.0362		
22	SITTING HT, RELAXED	.1621	.2013	.1343	.0567	.0373	.2964	.2147	.1137	.1586	.1928	.1437	.1243	.0811	.0034	.1448		
23	SITTING HEIGHT	.1837	.2214	.1537	.0781	.0540	.3113	.2325	.1156	.1650	.2038	.1464	.1277	.0660	.0059	.1554		
24	EYE HEIGHT, SITTING	.1402	.1948	.1332	.0700	.0601	.2148	.1544	.1084	.1231	.1696	.1414	.1383	.0901	.0052	.1383		
25	MIDSHOULDER HT, SIT	.1800	.2196	.1617	.1007	.1067	.2510	.1748	.0909	.1577	.2129	.1289	.1379	.0681	.0221	.1323		
26	WAIST HGT, SITTING	.1012	.1246	.0860	.0430	.0660	.1441	.0974	.0792	.1108	.1600	.1152	.1260	.0747	.0222	.0594		
27	ELBOW REST HEIGHT	.0460	.0193	.0468	.0748	.0470	.0738	.0151	.0257	.0221	.0407	.0507	.0797	.1270	.0246	.0235		
28	POPLITEAL HEIGHT	.1697	.2159	.2023	.1649	.1167	.1117	.1561	.2150	.0494	.1492	.1895	.1435	.1158	.1366	.1373		
29	BUTTOCK-POPLIT'L L	.2547	.2793	.2736	.2421	.2090	.1702	.2124	.2086	.1155	.1968	.1915	.1434	.1374	.1144	.1690		
30	BUTTOCK-KNEE LENGTH	.2961	.3278	.3150	.2820	.2325	.1967	.2403	.2207	.1302	.2446	.2344	.1800	.1366	.1200	.2028		
31	ACROMION-RADIALE L	.1935	.2358	.2019	.1690	.1333	.1561	.1852	.1877	.1040	.2062	.1882	.1444	.0797	.0991	.1477		
32	RADIALE-STYLION L	.2521	.2801	.2635	.2311	.1657	.2231	.1788	.1645	.0971	.1747	.1360	.0647	.1745	.1049	.1571		
33	THUMB-TIP REACH	.2350	.2702	.2399	.2085	.1704	.1623	.1805	.1613	.1071	.2104	.1765	.1340	.1378	.0907	.1424		
34	THUMB-TIP, EXTENDED	.2515	.2781	.2607	.2315	.1725	.2304	.1874	.1039	.1253	.1755	.0883	.0718	.1226	.0380	.1585		
35	OVERHEAD REACH	.2782	.3053	.2826	.2310	.1620	.2404	.2131	.1404	.1363	.2112	.1519	.0937	.0946	.0624	.1785		
36	NECK CIRCUMFERENCE	.2643	.2822	.2499	.2162	.2127	.3121	.2292	.0437	.0651	.3672	.3167	.2021	.2169	.1304	.1144		
37	SHOULDER CIRCUMFERENCE	.2390	.2840	.2612	.2326	.2913	.1892	.2350	.1819	.2063	.3616	.3127	.3270	.1087	.0846	.1595		
38	CHEST CIRC AT SCYE	.2271	.2767	.2433	.2208	.2991	.1884	.2070	.1545	.1816	.3473	.2770	.3056	.0829	.0633	.1293		
39	BUST CIRCUMFERENCE	.2129	.2637	.2358	.2142	.2868	.1521	.2126	.1529	.1593	.3093	.2732	.3060	.0671	.0632	.1278		
40	CHEST C BELOW BUST	.1966	.2440	.2124	.1868	.2632	.1531	.2035	.1663	.1996	.3398	.2986	.3252	.0526	.0600	.1160		
41	WAIST CIRCUMFERENCE	.2067	.2352	.2287	.2126	.2802	.1273	.2242	.1640	.1932	.3525	.3103	.3029	.1008	.0501	.1389		
42	ABDOMINAL EXT CIRC	.1460	.1776	.1540	.1251	.2143	.1133	.1813	.1169	.1647	.3168	.2905	.2886	.0014	.0123	.0869		
43	HIP C-7""BLW WAIST	.2259	.2661	.2405	.2088	.2670	.1588	.2143	.1613	.1739	.3295	.2897	.2790	.0512	.0266	.1436		
44	HIP C-9""BLW WAIST	.2270	.2638	.2337	.1955	.2466	.1899	.2122	.1471	.1839	.3207	.2693	.2572	.0227	.0050	.1413		
45	UPPER THIGH CIRCUM	.1891	.2309	.2137	.1867	.2414	.1371	.1941	.1536	.1555	.2808	.2690	.2865	.0346	.0265	.1288		

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
46 KNEE CIRCUMFERENCE	.2179	.2642	.2365	.1994	.2225	.1924	.2309	.1992	.1925	.3329	.3104	.2887	.0734	.0389	.1646
47 CALF CIRCUM, RIGHT	.1953	.2438	.2145	.1803	.1961	.1589	.1985	.1516	.1626	.2880	.2454	.2414	.0435	.0254	.1485
48 CALF CIRCUM, LEFT	.2001	.2503	.2201	.1858	.1993	.1697	.2121	.1483	.1577	.2846	.2370	.2316	.0498	.0308	.1459
49 ANKLE CIRCUMFERENCE	.1774	.2399	.2053	.1590	.1603	.1761	.1799	.1642	.1538	.2669	.2355	.2071	.0593	.0418	.1410
50 VERTICAL TRUNK CIR	.2518	.3059	.2477	.1923	.2144	.2765	.2152	.1047	.1950	.3000	.1991	.2110	.0009	.0083	.1687
51 VERTICAL TRK C, SIT	.2346	.2781	.2231	.1661	.1856	.2668	.2128	.1108	.1854	.2857	.1961	.1922	.0311	.0155	.1526
52 BUTTOCK CIRC, SIT	.2330	.2763	.2432	.2082	.2627	.1900	.2262	.1635	.1889	.3313	.2763	.2836	.0484	.0383	.1561
53 SCYE CIRCUMFERENCE	.2252	.2588	.2309	.2030	.2590	.1771	.1987	.1498	.1650	.3119	.2589	.2657	.0755	.0439	.1520
54 AXILLARY ARM CIRC	.1889	.2128	.1969	.1762	.2550	.1330	.1705	.1082	.1428	.2951	.2595	.2854	.0544	.0175	.1001
55 BICEPS C, RELAXED, R	.1914	.2252	.2010	.1775	.2507	.1283	.1876	.1411	.1546	.3015	.2554	.2844	.0487	.0143	.1207
56 BICEPS C, FLEXED, R	.1943	.2305	.2054	.1832	.2455	.1325	.1971	.1606	.1512	.3083	.2702	.2994	.0733	.0352	.1372
57 BICEPS C, RELAXED, L	.1960	.2216	.1959	.1705	.2453	.1333	.1907	.1223	.1537	.3011	.2517	.2700	.0488	.0020	.1148
58 BICEPS C, FLEXED, L	.1966	.2277	.2028	.1789	.2490	.1326	.1858	.1398	.1415	.3008	.2561	.2797	.0661	.0187	.1206
59 ELBOW CIRC, FLEXED	.2171	.2647	.2356	.2099	.2170	.1780	.1787	.1928	.1210	.2396	.2297	.1967	.1377	.0737	.1716
60 FOREARM C, RELAXED	.2591	.3009	.2760	.2411	.2855	.1893	.2402	.2121	.1925	.3601	.3147	.3224	.1374	.0657	.1841
61 FOREARM C, FLEXED	.2365	.2824	.2581	.2323	.2745	.1802	.2388	.2326	.1781	.3437	.3218	.3178	.1391	.0744	.1745
62 WRIST CIRCUMFERENCE	.2078	.2876	.2445	.2132	.2265	.1588	.2348	.2673	.1806	.3521	.3137	.2989	.1406	.1208	.1887
63 BIACROMIAL BREADTH	.2444	.2682	.2308	.1907	.1805	.2271	.1851	.1464	.1789	.2912	.2111	.1410	.1191	.0666	.1470
64 BIDELOID BREADTH	.2313	.2719	.2498	.2243	.2799	.1771	.2177	.1407	.1863	.3459	.2832	.2990	.0949	.0518	.1509
65 CHEST BREADTH	.2037	.2320	.2112	.1818	.2385	.1960	.2086	.1620	.2076	.3161	.2725	.2759	.0682	.0566	.1523
66 BUST PT-BUST PT BR	.2006	.2307	.2143	.1868	.2179	.0956	.1570	.1369	.0840	.2126	.2209	.2032	.0794	.0665	.1232
67 WAIST BREADTH	.1835	.2269	.2089	.1907	.2484	.1483	.2306	.1627	.1930	.3391	.2963	.2937	.0810	.0708	.1320
68 HIP BREADTH	.1792	.2150	.1807	.1460	.1833	.1838	.1721	.0917	.1604	.2664	.2145	.1995	.0219	.0042	.1134
69 THIGH-THIGH BR, SIT	.1749	.2063	.1700	.1351	.1873	.1780	.1875	.0992	.1520	.2703	.2208	.2247	.0168	.0101	.1167
70 HUMERAL BREADTH, R	.1827	.2317	.1925	.1594	.1785	.1582	.1903	.2108	.1005	.2634	.2653	.2483	.0964	.1023	.1296
71 HUMERAL BREADTH, L	.1842	.2266	.1928	.1616	.1794	.1474	.1900	.2080	.0989	.2562	.2590	.2404	.0949	.1096	.1425
72 FEMORAL BREADTH, R	.0711	.1206	.0925	.0777	.1055	.1091	.1528	.2356	.1248	.2505	.2920	.3046	.0550	.1171	.1155
73 FEMORAL BREADTH, L	.0790	.1343	.1017	.0844	.1105	.1085	.1571	.2469	.1299	.2695	.3087	.3246	.0549	.1194	.1285
74 CHEST DEPTH	.2067	.2499	.2353	.2203	.2753	.1124	.1919	.1525	.1509	.2867	.2456	.2900	.0573	.0711	.1329
75 WAIST DEPTH	.1621	.1876	.1844	.1823	.2311	.1174	.1972	.1429	.1330	.2974	.2668	.2971	.1196	.0837	.1167
76 ABDOMINAL EXT DPTH	.1860	.2132	.2072	.1996	.2453	.1277	.2052	.1276	.1218	.2785	.2404	.2674	.0883	.0509	.1296
77 BUTTOCK DEPTH	.2315	.2552	.2503	.2361	.2606	.1509	.2077	.1053	.1370	.2404	.1768	.2010	.0758	.0200	.1499
78 THIGH CLEARANCE	.1902	.2413	.2378	.2179	.1861	.1486	.2185	.1976	.1260	.2386	.2514	.2613	.1189	.1136	.1726
79 SHOULDER LENGTH	.1934	.2085	.1831	.1617	.1293	.1497	.1036	.0763	.1203	.1393	.0806	.0250	.0786	.0491	.0865
80 NECK-BUST POINT L	.1241	.1596	.1252	.1144	.1408	.1242	.1759	.1277	.1028	.2297	.2083	.2417	.0363	.0968	.0816
81 STRAP LENGTH	.1557	.1658	.1482	.1247	.1584	.1514	.2056	.1505	.1321	.2786	.2570	.2681	.0580	.0871	.1122
82 INTERSCYE	.1480	.1728	.1557	.1410	.1913	.1406	.1588	.1178	.1141	.2305	.1838	.2253	.0665	.0538	.0743
83 INTERSCYE, MAXIMUM	.1033	.1571	.1248	.0963	.1628	.1433	.1552	.1829	.1444	.2548	.2468	.2578	.0048	.0411	.0541
84 BACK CURVATURE	.1184	.1554	.1254	.1087	.1709	.0962	.1502	.1108	.1372	.2650	.2485	.2515	.0006	.0407	.0794
85 WAIST BACK	.1275	.1588	.1242	.0795	.0612	.1781	.1336	.0872	.0953	.0986	.0759	.0579	.0107	.0073	.1003
86 ANTERIOR WAIST LTH	.1173	.1319	.1008	.0625	.0632	.1143	.0981	.0806	.1074	.1266	.1338	.1238	.0047	.0009	.0894
87 SLEEVE INSEAM	.2422	.2538	.2430	.2098	.1317	.2037	.1472	.1295	.1035	.1262	.0839	.0004	.1204	.0602	.1186
88 SPINE-TO-SOYE LGTH	.0842	.1317	.0938	.0693	.1174	.1079	.1304	.1771	.1195	.2256	.2241	.2438	.0296	.0847	.0734
89 SPINE-TO-ELBOW LTH	.2485	.2814	.2333	.1917	.1799	.2332	.2234	.1954	.1854	.2910	.2345	.1823	.0607	.0760	.1617
90 SPINE-TO-WRIST LTH	.2888	.3214	.2897	.2441	.2096	.2543	.2323	.2196	.1771	.2887	.2361	.1629	.1189	.1009	.1868

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

91 HAND LENGTH	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
92 HAND BREADTH	.2126	.2847	.2591	.2427	.1677	.1390	.2360	.2858	.0789	.2292	.2491	.2099	.2289	.2309	.1947
93 HAND CIRCUMFERENCE	.1685	.2028	.1650	.1540	.1342	.2231	.1623	.1309	.0040	.2750	.2946	.2179	.2414	.2517	.1109
94 FOOT LENGTH	.1672	.2232	.1998	.1794	.1895	.1532	.1919	.2502	.1301	.3007	.3055	.2937	.2051	.1790	.1555
95 FOOT BREADTH	.2854	.3393	.3106	.2725	.2029	.2413	.2786	.2547	.1693	.2671	.2359	.1770	.2137	.1595	.2369
96 HEAD LENGTH	.2318	.2570	.2527	.2266	.1751	.1900	.2046	.1773	.1764	.1858	.1382	.1216	.2151	.1240	.2041
97 HEAD BREADTH	.5328	.5805	.5227	.4755	.3668	.4541	.2698	.2085	.0638	.1854	.1134	.1243	.1986	.1612	.2593
98 HEAD CIRCUMFERENCE	.0858	.0770	.0331	.0323	.0669	.2315	.4201	.2130	.2818	.5854	.4970	.3369	.1749	.1740	.0250
99 TRAGION-TO-HEAD	.4916	.4953	.4626	.4233	.3139	.5944	.5418	.2569	.2174	.4079	.2987	.2130	.3056	.2087	.2257
100 ETOCANTHUS-TO-HEAD	.3754	.3514	.3143	.2851	.2031	.3441	.5245	.1261	.1601	.1519	.1027	.1521	.0504	.1869	.1514
101 PRONASALE-TO-HEAD	.2417	.1365	.1545	.1102	.0030	.3609	.4065	.1478	.1597	.1110	.0307	.1137	.1715	.0560	.1514
102 SUBNASALE-TO-HEAD	.2999	.1954	.1108	.0397	.1045	.3713	.3633	.1571	.1737	.1547	.0645	.0176	.1604	.0409	.1410
103 STOMION-TO-HEAD	.3218	.2331	.1647	.0968	.0843	.3558	.3822	.1902	.1785	.1409	.0601	.0462	.1642	.0600	.2467
104 MENTON-TO-HEAD	.3829	.2997	.2292	.1758	.0086	.4073	.4046	.1594	.1098	.1911	.1345	.0501	.2426	.1252	.3876
105 TRAGION TO WALL	.8604	.7311	.7393	.7160	.6176	.2096	.1221	.0231	.0595	.0410	.0295	.0502	.1276	.0144	.1653
106 ETOCANTHUS-WALL	.8328	.8300	.7977	.6695	.3408	.2024	.0565	.0546	.0546	.1602	.0691	.0116	.2346	.0727	.2136
107 PRONASALE TO WALL	.8328	.8300	.7977	.6695	.3408	.2024	.0565	.0546	.0546	.1602	.0691	.0116	.2346	.0727	.2136
108 SUBNASALE TO WALL	.8300	.8300	.7977	.6695	.3408	.2024	.0565	.0546	.0546	.1602	.0691	.0116	.2346	.0727	.2136
109 LIP PROTRUSION-WALL	.7977	.6695	.8376	.8644	.8376	.2541	.1755	.1107	.0348	.1401	.0655	.0371	.2474	.1271	.2115
110 MENTON TO WALL	.6695	.7799	.8376	.8644	.8376	.2541	.1755	.1107	.0348	.1401	.0655	.0371	.2474	.1271	.2115
111 SAGITTAL CURVATURE	.3408	.2990	.2541	.2238	.1347	.4109	.2991	.1152	.0787	.1611	.0788	.0404	.2237	.1237	.1980
112 BIFRAGION-CURVATURE	.2024	.1980	.1755	.1613	.1088	.0074	.2991	.1152	.0787	.1611	.0788	.0404	.2237	.1237	.1980
113 BLOCULAR BREADTH	.0565	.1132	.1107	.0943	.1048	.0745	.3024	.1048	.0745	.1537	.0853	.0943	.2042	.1079	.0503
114 BIAURICULAR BREADTH	.0546	.0787	.0548	.0144	.0745	.0818	.2721	.1048	.0745	.1537	.0853	.0943	.2042	.1079	.0503
115 BIFRAGION BREADTH	.1502	.1611	.1401	.1139	.1597	.2055	.3087	.3711	.3754	.7157	.5666	.1428	.2320	.0592	.0703
116 BIZYGOMATIC BREADTH	.0691	.0788	.0625	.0613	.0853	.0764	.2686	.4204	.1519	.7157	.5666	.1428	.2320	.0592	.0703
117 BICONIAL BREADTH	.0116	.0404	.0371	.0363	.0943	.0324	.2423	.4130	.2249	.2258	.1743	.1428	.2320	.0592	.0703
118 NASAL BREADTH	.2346	.2237	.2474	.3017	.2042	.2173	.1835	.1771	.0823	.1898	.1743	.1428	.2320	.0592	.0703
119 LIP LENGTH	.0727	.1237	.1271	.1800	.1079	.1219	.0933	.2054	.1073	.1582	.2490	.0692	.1069	.0703	.0703
120 MENTON-SUBNASALE L	.2136	.1980	.2115	.2100	.0503	.1070	.2105	.1929	.1109	.0522	.0147	.0692	.1069	.0703	.0703
121 MENTON-SELLION LTH	.2040	.2598	.1971	.1663	.0404	.1681	.2188	.1597	.0773	.1861	.1437	.1381	.1328	.1282	.6332
122 SUBNASALE-SELLION	.0806	.1066	.0998	.0467	.0097	.1487	.1227	.0888	.0457	.1998	.1216	.1084	.1141	.1025	.1162
123 EAR LENGTH	.1265	.1424	.1165	.0902	.0941	.1469	.1441	.1630	.2075	.1512	.0651	.1031	.1118	.0323	.1141
124 EAR BREADTH	.1232	.1517	.1510	.1221	.1065	.0005	.0507	.1534	.1092	.1074	.0116	.0483	.0868	.0037	.1190
125 GAP STRENGTH	.1730	.1806	.1633	.1372	.1032	.1515	.0933	.1400	.1289	.1783	.1334	.1450	.0775	.0558	.1098
139 STATURE REPORTED	.2413	.2833	.2382	.1775	.1274	.2623	.2464	.2018	.1555	.2366	.2142	.1512	.0500	.0729	.1739
140 WEIGHT REPORTED	.2701	.3234	.2878	.2444	.2779	.2454	.2837	.2404	.2187	.3965	.3543	.3369	.0987	.0813	.2107

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	121	122	123	124	125	129	130
1 AGE	.1885	.2585	.2714	.1369	.1501	.0395	.2545
2 WEIGHT	.2645	.1655	.2804	.1392	.3609	.5524	.9634
3 TRICEPS SKINFOLD	.0541	.0307	.1223	.0421	.0941	.0979	.5565
4 SUBSCAPULAR SKINFOLD	.0355	.0033	.1370	.0287	.0642	.0306	.5418
5 SUPRAILAIAC SKINFOLD	.0252	-.0275	.0826	.0100	.0639	.1310	.5513
6 MEDIAL CALF SKINFOLD	-.0245	-.0110	.0686	-.0192	-.0223	.0315	.3314
7 STATURE	.2673	.1797	.1752	.1037	.2952	.9534	.5498
8 STATURE, MAXIMUM	.2688	.1800	.1766	.1066	.2981	.9554	.5506
9 CERVICALE HEIGHT	.2535	.1681	.1608	.1010	.2880	.9477	.5542
10 ACROMIAL HEIGHT	.2488	.1604	.1633	.1024	.2963	.9332	.5663
11 SUPRASTERNALE HGT	.2564	.1622	.1708	.1083	.2998	.9419	.5671
12 BUST POINT HEIGHT	.2215	.1320	.1401	.1008	.2528	.8921	.4753
13 WAIST HEIGHT	.2252	.1382	.1488	.1069	.2537	.8889	.5109
14 ABDOMINAL EXT HGT	.2158	.1276	.1050	.1011	.2534	.8731	.4459
15 TROCHANTERIC HGT	.2237	.1183	.1418	.1105	.2369	.8317	.4706
16 BUTTOCK HEIGHT	.2019	.1039	.1200	.1010	.2289	.8256	.4740
17 GLUTEAL FURROW HGT	.1576	.0803	.0875	.0656	.2152	.7982	.3785
18 TIBIALE HEIGHT	.1793	.1252	.1167	.1049	.2467	.7678	.4216
19 CROTCH HEIGHT	.2047	.1065	.1103	.0999	.2465	.8386	.4421
20 ANKLE HEIGHT	.0295	.0799	.0748	.0933	.1405	.3027	.1620
21 LAT"L MALLEOLUS HT	.1177	.0867	.0556	.0404	.0984	.4110	.2564
22 SITTING HT, RELAXED	.2378	.1792	.1499	.0673	.2435	.7371	.4636
23 SITTING HEIGHT	.2484	.1913	.1677	.0679	.2522	.7581	.4930
24 EYE HEIGHT, SITTING	.2404	.1881	.1301	.0499	.2317	.7023	.4603
25 MIDSHOULDER HT, SIT	.2024	.1481	.1537	.0608	.2488	.6883	.5081
26 WAIST HGT, SITTING	.1052	.0881	.1113	.0210	.1165	.3786	.3862
27 ELBOW REST HEIGHT	.0528	.0575	.0152	-.0461	.0354	.1828	.1596
28 POPLITEAL HEIGHT	.1847	.0993	.0952	.0831	.2163	.7080	.3828
29 BUTTOCK-POPLIT"L	.1800	.0913	.1670	.1268	.2082	.6525	.5671
30 BUTTOCK-KNEE LGTH	.2113	.1039	.1847	.1428	.2802	.7683	.6891
31 ACROMION-RADIALE L	.2053	.1309	.1688	.1036	.2445	.7187	.4521
32 RADIALE-STYLION L	.1933	.1243	.1567	.1370	.2295	.6481	.3853
33 THUMB-TIP REACH	.2170	.1575	.1484	.1139	.2479	.6438	.4338
34 THUMB-TIP, EXTENDED	.2164	.1514	.1555	.1110	.2635	.6122	.4199
35 OVERHEAD REACH	.2222	.1447	.1589	.1300	.2923	.8412	.4882
36 NECK CIRCUMFERENCE	.2062	.1626	.1849	.0516	.2586	.3273	.5636
37 SHOULDER CIRCUMFER	.2166	.1339	.2476	.1270	.3804	.3562	.8057
38 CHEST CIRC AT SOYE	.1821	.1349	.2770	.1255	.3415	.3083	.7754
39 BUST CIRCUMFERENCE	.1759	.1260	.2655	.1105	.2807	.2800	.7722
40 CHEST C BELOW BUST	.1844	.1452	.2508	.1044	.2939	.3134	.7667
41 WAIST CIRCUMFERENCE	.1736	.1097	.2488	.1063	.2584	.3022	.7924
42 ABDOMINAL EXT CIRC	.1294	.0875	.2342	.0717	.1963	.2595	.7667
43 HIP C-7""BLW WAIST	.1807	.1168	.2420	.1060	.2567	.3646	.8587
44 HIP C-9""BLW WAIST	.1804	.1184	.2292	.1014	.2567	.3765	.8537
45 UPPER THIGH CIRCUM	.1423	.0742	.1800	.0794	.2392	.2816	.8010

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	121	122	123	124	125	129	130
46 KNEE CIRCUMFERENCE	.1960	.1374	.2088	.1236	.2591	.3994	.7925
47 CALF CIRCUM, RIGHT	.1540	.0844	.1659	.0966	.2665	.3165	.7130
48 CALF CIRCUM, LEFT	.1555	.0912	.1728	.1013	.2693	.3198	.7089
49 ANKLE CIRCUMFERENCE	.1653	.1050	.1715	.0914	.2632	.3543	.5680
50 VERTICAL TRUNK CIR	.2450	.1866	.2687	.1243	.2905	.6114	.7781
51 VERTICAL TRK C,SIT	.2344	.1821	.2399	.1144	.2930	.6587	.7336
52 BUTTOCK CIRC, SIT	.2034	.1311	.2504	.1152	.2626	.3986	.8712
53 SCYE CIRCUMFERENCE	.1825	.1040	.2491	.1116	.3578	.3847	.7512
54 AXILLARY ARM CIRC	.1350	.0841	.2301	.0886	.2794	.1974	.7576
55 BICEPS C,RELAXED,R	.1382	.0945	.2465	.1011	.2841	.1721	.7639
56 BICEPS C,FLEXED, R	.1618	.1080	.2493	.1104	.3214	.1942	.7704
57 BICEPS C,RELAXED,L	.1431	.0988	.2516	.1029	.2684	.1666	.7690
58 BICEPS C,FLEXED, L	.1502	.1071	.2586	.1071	.2964	.1870	.7684
59 ELBOW CIRC, FLEXED	.2118	.1172	.2136	.1286	.3510	.4169	.5512
60 FOREARM C, RELAXED	.2190	.1416	.2287	.1239	.4244	.3286	.7720
61 FOREARM C, FLEXED	.2062	.1274	.2155	.1177	.4240	.3300	.7405
62 WRIST CIRCUMFERENCE	.2306	.1581	.2124	.1424	.3990	.4683	.6256
63 BIACROMIAL BREADTH	.2655	.1945	.1869	.1338	.3342	.4571	.4955
64 BIELTROID BREADTH	.2074	.1388	.2449	.1245	.3411	.3246	.7698
65 CHEST BREADTH	.1940	.1228	.2130	.0874	.3071	.2971	.6770
66 BUST PT-BUST PT BR	.1557	.0787	.1917	.0925	.2073	.2346	.5706
67 WAIST BREADTH	.1821	.1213	.2240	.1014	.2795	.3589	.7365
68 HIP BREADTH	.1554	.1089	.1961	.0892	.2068	.3652	.7426
69 THIGH-THIGH BR,SIT	.1629	.1204	.1981	.0804	.1981	.2617	.7513
70 HUMERAL BREADTH, R	.2216	.1457	.1290	.0697	.3681	.4924	.5268
71 HUMERAL BREADTH, L	.2133	.1391	.1378	.0832	.3588	.4949	.5318
72 FEMORAL BREADTH, R	.1631	.1027	.1172	.0617	.2299	.3467	.4782
73 FEMORAL BREADTH, L	.1902	.1229	.1227	.0642	.2400	.3534	.5055
74 CHEST DEPTH	.1522	.1028	.2603	.1056	.2218	.2530	.7186
75 WAIST DEPTH	.1548	.0983	.2393	.0853	.1509	.2093	.7118
76 ABDOMINAL EXT DPTH	.1529	.0863	.2488	.0829	.1352	.2258	.7571
77 BUTTOCK DEPTH	.1239	.0560	.2107	.1189	.2260	.2503	.7630
78 THIGH CLEARANCE	.1552	.0632	.1767	.1144	.2482	.4422	.6883
79 SHOULDER LENGTH	.1621	.1212	.0874	.0666	.1883	.3605	.2794
80 NECK-BUST POINT L	.1616	.1431	.1968	.0614	.2014	.2787	.5556
81 STRAP LENGTH	.2055	.1629	.2166	.0859	.2532	.3319	.6377
82 INTERSCYE	.1412	.0976	.1604	.0925	.2429	.2036	.5193
83 INTERSCYE, MAXIMUM	.1636	.1505	.1892	.0693	.2834	.3616	.5594
84 BACK CURVATURE	.1248	.0970	.1736	.0531	.2554	.2622	.5820
85 WAIST BACK	.1538	.1259	.0988	.0507	.2212	.5782	.3095
86 ANTERIOR WAIST LTH	.1290	.0734	.1493	.0453	.2014	.4446	.4528
87 SLEEVE INSEAM	.1509	.0951	.1198	.1075	.2115	.6928	.3023
88 SPINE-TO-SCYE LGTH	.1608	.1002	.0942	.0584	.2779	.2541	.4246
89 SPINE-TO-ELBOW LTH	.2470	.1544	.1729	.1291	.3505	.6751	.5719
90 SPINE-TO-WRIST LTH	.2657	.1647	.1876	.1556	.3602	.7545	.5703

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	121	122	123	124	125	139	140
91 HAND LENGTH	.2700	.1895	.1651	.1003	.3060	.6024	.3872
92 HAND BREADTH	.2302	.1934	.1451	.0617	.4010	.3922	.4034
93 HAND CIRCUMFERENCE	.2199	.1428	.1823	.1001	.4352	.3777	.4688
94 FOOT LENGTH	.2975	.2091	.2051	.1477	.3222	.6875	.5126
95 FOOT BREADTH	.2157	.1277	.1621	.1401	.2121	.3571	.3720
96 HEAD LENGTH	.3107	.1758	.1434	.1023	.1737	.3098	.3053
97 HEAD BREADTH	.1743	.1946	.0804	-.0002	.1014	.1400	.2843
98 HEAD CIRCUMFERENCE	.2725	.1785	.1905	.1108	.1801	.3268	.3995
99 TRAGION-TOE HEAD	.1593	.0736	.0834	.0371	.0800	.2356	.2021
100 ECTOCANTHUS-TOE HD	.0851	.0057	.1127	.1084	.0933	.2219	.1587
101 PRONASALE-TOE HEAD	.1515	.1458	.1478	.1332	.1100	.2251	.1484
102 SUBNASALE-TOE HEAD	.1753	.1503	.1589	.1367	.1229	.2698	.1831
103 STOMION-TOE HEAD	.2272	.1172	.1643	.1545	.1274	.2787	.1859
104 MENTON-TOE HEAD	.4165	.1988	.1645	.1351	.1692	.3432	.2724
105 TRAGION TO WALL	.1314	.0238	.0867	.1115	.1034	.1767	.1881
106 ECTOCANTHUS-WALL	.2040	.0806	.1265	.1232	.1730	.2413	.2701
107 PRONASALE TO WALL	.2598	.1866	.1424	.1517	.1806	.2839	.3234
108 SUBNASALE TO WALL	.1971	.0998	.1165	.1510	.1653	.2362	.2878
109 LIP PROTRUSION-WALL	.1663	.0467	.0902	.1221	.1372	.1775	.2444
110 MENTON TO WALL	.0404	.0097	.0941	.1065	.1632	.1274	.2779
111 SAGITTAL CURVATURE	.1681	.1487	.1469	.0005	.1515	.2623	.2454
112 BITRAGION-CORONAL	.2168	.1227	.1441	.0507	.0933	.2464	.2897
113 BIOCULAR BREADTH	.1597	.0888	.1650	.1534	.1400	.2018	.2404
114 BIAURICULAR BREADTH	.0773	.0457	.2075	.1092	.1289	.1555	.2187
115 BITRAGION BREADTH	.1861	.1998	.1512	.1074	.1783	.2366	.3965
116 BIZYGOMATIC BREADTH	.1437	.1216	.0651	-.0116	.1334	.2142	.3543
117 BIGONIAL BREADTH	.1381	.1084	.1031	.0483	.1450	.1512	.3369
118 NASAL BREADTH	.1328	.1141	.1118	.0868	.0775	.0500	.0987
119 LIP LENGTH	.1282	.1025	.0323	.0037	.0558	.0729	.0813
120 MENTON-SUBNASALE L	.0332	.1162	.1141	.1190	.1098	.1739	.2107
121 MENTON-SELLION LTH	.5924	.1602	.1670	.1150	.1628	.2555	.2724
122 SUBNASALE-SELLION	.1670	.1602	.1602	.0867	.1115	.1777	.1768
123 EAR LENGTH	.1150	.0867	.2876	.1719	.1730	.2915	.2915
124 EAR BREADTH	.1628	.1115	.1719	.0849	.1111	.1292	.1292
125 GRIP STRENGTH	.2555	.1777	.1730	.1111	.3069	.3069	.3498
139 STATURE REPORTED	.2724	.1768	.2915	.1292	.3498	.5687	.5687
140 WEIGHT REPORTED							

Section V

THE CORRELATIONS--USAF FLYING PERSONNEL--1967

The Air Force's second major anthropometric survey of its flying personnel was conducted during the first three months of 1967, some 17 years after the initial survey of flying personnel. One hundred eighty-six body dimensions and grip strength were measured on a sample of 2420 men, all of whom were officers on active flying status.

This survey was planned and conducted under the direction of Charles E. Clauser, at that time Chief of the Anthropology Branch of the Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio, with the collaboration of Mr. Clauser's colleagues: Milton Alexander, Kenneth W. Kennedy, Lt. Jack Henninger, and John Garrett at Wright Patterson Air Force Base, and Edmund Churchill and Lloyd Laubach of the Anthropology Research Project, then at Antioch College, Yellow Springs, Ohio. The measuring team consisted of Antioch College students employed by the Anthropology Research Project and trained by Clauser and his colleagues. Measuring was carried out at almost twenty bases spread over the country in states bordering both oceans, Canada and Mexico, as well as in some of the more centrally located states. Editing and data processing were done by the Anthropology Research Project. Published data appear in Grunhofer and Kroh (1975).

Rated pilots made up 49% of the sample, student pilots 21%, rated navigators 21%, and student navigators 8%. Ages of these four groups of subjects averaged 33.1, 23.9, 31.0, and 22.2 years, respectively. In addition to pilots and navigators there were a few flight surgeons in the sample.

Ninety-eight percent of the sample were Whites, 1% Blacks, and 1% other. Five percent were born in New England, 18% in the mid-Atlantic states, 11% in south-Atlantic states, 17% in east-north-central states, 6% in east-south-central states, 15% in west-north-central states, 12% in west-south-central states, 5% in the mountain states, 8% in the Pacific states, and 2% were foreign born. Twenty-eight percent were second lieutenants, 15% first lieutenants, 35% captains, 15% majors, 7% lieutenant colonels, and a handful were colonels.

Correlations for age, the 186 body size measurements, grip strength, stature as reported by the subjects, and weight as reported by the subjects appear in Table V.

TABLE V

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE	.1130	.1795	.1689	.3248	.2024	-.0179	.1495	.2214	.2376	-.0156	-.0298	-.0277	-.0005	.0077
2 WEIGHT	.1130	.5663	.5340	.5878	.6112	.6393	.5213	.5719	.5501	.6227	.3661	.5152	.5294	.5541
3 SKF SUBSCAP**R-LNGE	.1795	.5663	.5749	.7170	.7858	.6875	.5277	.9174	.6066	.6852	.3020	.0079	.0444	.0753
4 SKF TRICEPS-LANGE	.1689	.5340	.5749	.6456	.6168	.6546	.5615	.6091	.8960	.6754	.0186	.0933	.1358	.1555
5 SKF JUX**NIPPLE-LGE	.3248	.5878	.7170	.6456	.7816	.6892	.5277	.7584	.6370	.7447	.0519	.0193	.0594	.0980
6 SKF MAL XIPH**D-LGE	.2024	.6112	.7858	.6456	.7816	.6892	.5277	.7584	.6370	.7447	.0519	.0193	.0594	.0980
7 SKF SUPRAILAC-LGE	.0179	.6393	.6875	.6546	.6168	.6546	.5615	.6091	.8960	.6754	.0186	.0933	.1358	.1555
8 SKF SUPRAILAC-L	.1495	.5213	.5277	.5615	.5585	.5729	.5296	.7047	.6680	.9406	.0884	.0679	.1064	.1379
9 SKF SUBSCAP**R-HARP	.2214	.5719	.9174	.6091	.7543	.7984	.5215	.5215	.5487	.5264	.0558	.0434	.0736	.0921
10 SKF TRICEPS-HARP**N	.2376	.5501	.6066	.8960	.6837	.6370	.5296	.5215	.5487	.5264	.0558	.0434	.0736	.0921
11 SKF SUPRAILAC-L	.0156	.6227	.6892	.6754	.6786	.7447	.9406	.5264	.7104	.6842	.0882	.0627	.1040	.1344
12 GRIP STRENGTH	-.0298	.3661	.0320	.0186	.0122	.0519	.0884	.0558	.0218	.0045	.0882	.0627	.1040	.1344
13 HEIGHT (STATURE)	-.0277	.5152	.0079	.0933	.0356	.0193	.0679	.0434	-.0076	.0600	.0627	.3238	.3164	.3001
14 CERVICAL HEIGHT	-.0005	.5294	.0444	.1358	.0780	.0594	.1064	.0736	.0317	.1034	.1040	.3238	.3164	.3001
15 ACROMION HEIGHT	.0077	.5541	.0753	.1555	.1136	.0980	.1379	.0921	.0691	.1344	.1333	.3001	.3164	.3001
16 RADIALE HEIGHT	-.0042	.5609	.0995	.1747	.1389	.1253	.1687	.1182	.0941	.1571	.1660	.2862	.2862	.2862
17 STYLION HEIGHT	-.0092	.5108	.0923	.1504	.1240	.1159	.1579	.0984	.0844	.1375	.1511	.2376	.2376	.2376
18 DACTYLION HEIGHT	-.0159	.4791	.1248	.1701	.1522	.1475	.1866	.1207	.1156	.1559	.1784	.1664	.1664	.1664
19 SUPRASTERNALE HGHT	.0225	.5954	.0719	.1484	.1079	.0863	.1231	.0933	.0624	.1225	.1192	.3200	.3200	.3200
20 NIPPLE HEIGHT	-.0284	.4830	.0329	.1036	.0411	.0315	.0788	.0546	.0221	.0739	.0795	.2984	.2984	.2984
21 WAIST HT-OMPHALION	-.0328	.4224	-.0301	.0595	-.0050	-.0160	.0344	.0083	-.0349	.0344	.0342	.3007	.3007	.3007
22 ILIOCRISTALE HT	-.0173	.5052	.0616	.1512	.0977	.0934	.1460	.0851	.0536	.1206	.1436	.3051	.3051	.3051
23 BUTTOCK HEIGHT	-.0374	.4484	.0421	.1196	.0749	.0713	.1058	.0654	.0376	.0880	.1059	.2650	.2650	.2650
24 TROCHANTERION HGHT	-.0115	.4204	.0044	.0956	.0399	.0253	.0700	.0264	-.0000	.0635	.0689	.2833	.2833	.2833
25 GIUTEAL FURROW HGHT	-.0431	.4076	.0137	.0946	.0468	.0371	.0764	.0351	.0049	.0567	.0746	.2723	.2723	.2723
26 CROTCH HEIGHT	-.0930	.3591	-.0513	.0505	-.0262	-.0296	.0240	.0041	-.0646	.0067	.0229	.2709	.2709	.2709
27 PATELLA TOP HEIGHT	.0308	.4453	.0306	.0376	.0736	.0587	.0811	.0773	.0282	.0750	.0793	.2979	.2979	.2979
28 KNEE CIRC HEIGHT	.0198	.4544	.0349	.1153	.0834	.0563	.0988	.0792	.0326	.0876	.0987	.2952	.2952	.2952
29 FIBULAR HEIGHT	-.0056	.4270	.0163	.1141	.0621	.0412	.0753	.0544	.0103	.0746	.0729	.2765	.2765	.2765
30 CALF HEIGHT	-.0279	.4044	.0595	.1449	.1013	.0930	.1261	.0882	.0547	.1173	.1283	.2323	.2323	.2323
31 ANKLE HEIGHT	.0983	.2063	-.0237	.0956	-.0024	-.0456	-.0545	-.1176	-.0091	-.0465	-.0619	.1424	.1424	.1424
32 SITTING HEIGHT	-.0542	.4568	.0173	.0804	.0098	-.0033	.0515	.0447	-.0127	.0362	.0483	.2767	.2767	.2767
33 EYE HEIGHT/SITTING	-.0255	.4119	.0018	.0560	.0048	-.0119	.0352	.0367	-.0228	.0273	.0321	.2627	.2627	.2627
34 MIDSHOULDER HT/SIT	.0296	.5065	.1006	.1632	.1273	.1067	.1491	.1417	.0846	.1373	.1509	.2552	.2552	.2552
35 ACROMION H**GHT/SIT	.0380	.4862	.1136	.1752	.1420	.1280	.1546	.1482	.1025	.1591	.1667	.2271	.2271	.2271
36 ELBOW REST HGHT/SIT	.0259	.2656	.1190	.1434	.1405	.1226	.1566	.1479	.1123	.1389	.1650	.0767	.0767	.0767
37 KNEE HEIGHT/SITTING	-.0005	.5386	.0675	.1622	.1125	.1006	.1417	.1306	.0630	.1281	.1363	.3435	.3435	.3435
38 POPLITEAL HGHT/SIT	-.1015	.2991	-.0997	.0295	-.0871	-.0929	-.0449	-.0785	-.1122	-.0673	-.0423	.2860	.2860	.2860
39 BUTTOCK-KNEE LENGTH	.0312	.6363	.2272	.2790	.2678	.2503	.2362	.2345	.2339	.2791	.2800	.2629	.2629	.2629
40 BUTTOCK-POPLITEAL	-.0345	.5653	.1940	.2843	.2289	.2374	.2808	.2186	.2037	.2712	.2727	.2426	.2426	.2426
41 ACRM-BICEP CIR LVL	.0259	.2907	.0527	.0487	.0466	.0551	.0011	.0584	.0482	.0473	.1318	.4823	.4911	.5110
42 SHOULDER-ELBOW LTH	.0482	.3995	.0176	.0858	.0523	.0395	.0467	.0276	.0204	.0668	.0380	.2562	.2562	.2562
43 ACROMION-RADIALE L	.0264	.3871	.0119	.0934	.0498	.0412	.0543	.0261	.0162	.0606	.0461	.2363	.2363	.2363
44 ELBOW-WRIST LENGTH	-.0300	.4136	.0165	.0919	.0414	.0303	.0518	.0570	.0161	.0550	.0576	.3443	.3443	.3443
45 RADIALE-STYLION LH	.0328	.3989	.0283	.1173	.0726	.0503	.0573	.0859	.0310	.0921	.0550	.3044	.3044	.3044

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 ELBOW-GRIP LENGTH	-0.198	.4085	-0.075	.0723	.0258	.0059	.0429	.0311	-0.105	.0494	.0425	.3394	.7531	.7610	.7466
47 THUMB-TIP REACH	.0968	.4138	.0471	.1342	.0896	.0713	.0830	.0927	.0550	.1072	.0813	.2958	.6758	.6934	.6664
48 THUMB-TIP RCH/XTD	.0253	.3821	.0457	.1082	.0755	.0514	.0620	.0550	.0467	.0971	.0672	.2794	.6370	.6425	.6225
49 SLEEVE INSEAM	-0.300	.2780	-0.501	.0396	-0.330	-0.508	-0.262	-0.307	-0.514	.0062	-0.271	.2359	.7117	.7223	.6885
50 BIACRONIAL BREADTH	.0025	.4516	.1639	.0893	.0930	.1341	.1495	.1081	.1363	.0939	.1406	.2863	.3777	.3745	.3159
51 BIDELOID BREADTH	.0972	.7957	.4953	.4068	.4717	.5228	.5291	.4028	.4919	.4251	.5131	.3204	.3017	.3122	.3263
52 CHEST BREADTH	.1988	.7494	.4632	.4068	.5101	.5457	.5169	.3911	.4807	.4381	.4966	.2853	.2607	.2680	.3038
53 WAIST BROTH-OMPH"N	.2138	.8515	.6252	.5829	.6894	.7175	.7055	.5027	.6470	.6196	.6882	.2131	.2872	.3168	.3498
54 BICRISTALE BREADTH	.1942	.6490	.4272	.3951	.4722	.5068	.4593	.3520	.4385	.4233	.4321	.2134	.3151	.3413	.3609
55 HIP BREADTH	.1046	.8094	.4347	.5350	.5221	.5224	.5349	.4669	.4588	.5523	.5261	.2422	.4142	.4270	.4485
56 HIP BREADTH SITTING	.1126	.8550	.4991	.5894	.5838	.5954	.6081	.5123	.5226	.6047	.5980	.2273	.3718	.3911	.4187
57 ELBOW BROTH BONE/R	.1410	.4474	.0877	.1265	.1172	.1221	.1192	.1591	.0864	.1333	.1181	.3068	.4319	.4321	.4237
58 ELBOW BROTH BONE/L	.1196	.4632	.0660	.1287	.1126	.1081	.1090	.1633	.0656	.1209	.1136	.4333	.4533	.4476	.4396
59 F-ARM-F-ARM BR"OTH	.1280	.7042	.4489	.3977	.4585	.5025	.4990	.4066	.4584	.4077	.4874	.2859	.2018	.2194	.2516
60 KNEE BR"OTH BONE/R	-0.073	.6242	.2066	.2205	.2188	.2374	.2627	.2500	.2120	.2276	.2545	.3304	.4576	.4508	.4533
61 KNEE BR"OTH BONE/L	-0.062	.6290	.2076	.2270	.2224	.2392	.2688	.2445	.2118	.2317	.2708	.3368	.4711	.4654	.4684
62 CHEST DEPTH	.3053	.7593	.6034	.4854	.6311	.6092	.5711	.4714	.6117	.5272	.5540	.2374	.1970	.2262	.2503
63 WAIST DEPTH-OMPH"N	.3121	.7550	.6701	.5474	.7001	.6981	.6644	.5059	.6820	.5980	.6469	.1323	.1483	.1814	.2117
64 BUTTOCK DEPTH	.1625	.8156	.6168	.5764	.6518	.6557	.6696	.5293	.6319	.6131	.6599	.1813	.2114	.2309	.2660
65 THIGH CLEARANCE HT	-0.1033	.7752	.4915	.4882	.4862	.5442	.6430	.5005	.4955	.4802	.6308	.2394	.1689	.1854	.2161
66 NECK CIRC -MAXIMUM	.1831	.6994	.4722	.3094	.4110	.4727	.4469	.3497	.4705	.3406	.4500	.2874	.2166	.2305	.2499
67 SHOULDER CIRCUM"CE	.0914	.8308	.5031	.4306	.4822	.5351	.5465	.4207	.4969	.4345	.5360	.3680	.3175	.3307	.3439
68 CHEST CIRC AT SCYE	.1854	.8100	.5234	.4012	.5287	.5557	.5348	.3989	.5418	.5148	.5148	.3144	.2636	.2683	.3062
69 CHEST CIRCUM"ENCE	.2591	.8322	.5881	.4630	.6211	.6323	.5915	.4515	.6119	.5123	.5705	.2802	.2404	.2585	.3046
70 WAIST CIRC-OMPHAL"N	.2620	.8562	.6869	.6244	.7466	.7523	.7535	.5468	.7061	.6598	.7371	.1920	.2241	.2623	.2962
71 WAIST CIRC-OMPH/SIT	.2678	.8213	.6750	.5809	.7195	.7349	.7220	.5178	.6923	.6231	.7073	.1800	.1870	.2214	.2548
72 BUTTOCK CIRCUM"CE	.1049	.9221	.5689	.6017	.6264	.6429	.6750	.5498	.5926	.6217	.6595	.2646	.3616	.3797	.4084
73 BUTTOCK CIRCUM/SIT	.1964	.8882	.5671	.6009	.6369	.6464	.6398	.5536	.5376	.6174	.6307	.2487	.3368	.3590	.3845
74 VERTICAL TRUNK CIR	.1537	.8232	.4105	.3974	.4577	.4382	.4421	.3740	.4168	.4184	.4263	.2893	.6299	.6335	.6712
75 VERT TRUNK CIRC/SIT	.1256	.7616	.3615	.3421	.3887	.3747	.3850	.3073	.3552	.3661	.3716	.2757	.6384	.6404	.6773
76 SCROTAL-A-A WAIST/S	.1811	.4683	.2522	.2206	.2773	.2442	.2341	.2024	.2540	.2588	.2336	.1670	.4003	.3915	.4059
77 SCROTAL-A-A WAIST/S	.0106	.3366	.0565	.1214	.0577	.0563	.0644	.1282	.0875	.1294	.0743	.1857	.4532	.4376	.4409
78 SCRTL-SUPRASTERNLE	.2429	.6621	.3833	.3417	.4198	.3859	.3493	.3129	.3869	.3646	.3414	.2137	.5283	.5127	.5255
79 SCRTL-SUPRASTERNLE/S	.1067	.5227	.1792	.2247	.2142	.1895	.1934	.2138	.1710	.2233	.1933	.2502	.5868	.5614	.5585
80 SCRTL-ANT SCYE LVL	.1853	.5629	.2943	.2766	.3400	.2973	.2795	.2568	.2988	.2965	.2725	.1696	.5196	.5108	.5535
81 SCRTL-ANT SCYE L/S	.0159	.3558	.0489	.1289	.0879	.0551	.0846	.1193	.0478	.1203	.0875	.1847	.5281	.5090	.5361
82 SCRTL-A MIDSHOULDER	.2029	.7230	.4168	.3831	.4426	.4302	.4083	.3514	.4124	.3955	.3989	.2432	.5504	.5483	.5902
83 SCRTL-A MIDSHOULDER/S	.0800	.5942	.2199	.2725	.2450	.2405	.2561	.2506	.2094	.2590	.2600	.2878	.6021	.5930	.6209
84 SCROTAL-PST WAIST	.0343	.6156	.3891	.3713	.3735	.4074	.4658	.3537	.3848	.4089	.4566	.1837	.2808	.2870	.3118
85 SCROTAL-WAIST OVR BK	-0.066	.5904	.2876	.2948	.2681	.3006	.3755	.2817	.2823	.3266	.3655	.2265	.3376	.3388	.3527
86 SCROTAL-P WAIST/S	.1372	.4913	.3123	.2713	.3273	.3172	.3400	.2273	.3395	.3077	.3389	.1285	.2517	.2498	.2724
87 SCRTL-WAIST/BUTT/S	.0488	.5133	.2864	.2602	.2867	.2863	.3404	.2236	.3121	.2955	.3395	.1375	.2799	.2769	.2984
88 SCROTAL-CERVICAL	.0529	.6974	.3542	.3668	.3567	.3523	.4262	.3269	.3342	.3715	.4261	.2501	.5490	.5827	.5657
89 SCROTAL-CERVICAL/S	.1176	.6785	.3680	.3569	.3912	.3710	.4097	.3023	.3688	.3502	.4054	.2053	.5320	.5629	.5486
90 SCRTL-PST SCYE LVL	.0146	.6162	.3239	.3502	.3332	.3357	.4018	.3086	.3022	.3531	.3952	.1752	.4646	.4739	.5088

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91 SCRTL-PST SCYE L/S	.0836	.5976	.3437	.3330	.3683	.3468	.3885	.2812	.3440	.3315	.3864	.1363	.4415	.4489	.4871
92 SCRTL-P MIDSHOULDR	.0723	.7470	.3849	.3561	.3899	.3920	.4376	.3446	.3784	.3854	.4253	.2543	.5302	.5399	.5644
93 SCRTL-MOSHLDR OVR B	.0417	.7640	.3000	.2963	.2977	.3005	.3608	.2794	.2930	.3186	.3487	.2798	.5578	.5638	.5835
94 SCRTL-P MOSHLDR/S	.1257	.7206	.4043	.3524	.4214	.4089	.4335	.3167	.4137	.3781	.4247	.2072	.5059	.5171	.5417
95 SCRTL-MOSHLDR O B/S	.0858	.7124	.3469	.3308	.3776	.3625	.4000	.2940	.3618	.3524	.3939	.2151	.5373	.5464	.5704
96 UPPER THIGH CIRCUM	-.0251	.8598	.5474	.5680	.5714	.6119	.6789	.5467	.5604	.5901	.6618	.2353	.2246	.2358	.2745
97 UPPER THIGH C/SIT	-.0014	.8820	.5515	.5754	.5835	.6173	.6830	.5584	.5647	.5954	.6646	.2513	.2492	.2645	.3000
98 KNEE CIRCUMFERENCE	.0710	.8479	.4255	.4636	.4691	.4732	.5211	.5088	.4373	.4801	.5088	.3225	.4205	.4336	.4499
99 KNEE CIRCUMF/CE/SIT	.0789	.8547	.4358	.4592	.4781	.4858	.5152	.5127	.4454	.4731	.4976	.3076	.4395	.4518	.4719
100 CALF CIRCUMF/RIGHT	.0141	.7783	.3937	.3820	.4037	.4191	.4671	.4654	.4013	.3987	.4491	.3025	.2402	.2377	.2560
101 CALF CIRCUMF/LEFT	.0066	.7855	.3942	.3845	.4048	.4186	.4704	.4605	.3997	.3957	.4527	.3075	.2587	.2555	.2756
102 ANKLE CIRCUMF/ENCE	.0071	.6936	.2857	.2927	.2964	.3036	.3449	.3715	.2925	.3129	.3332	.3255	.3219	.3142	.3309
103 SCYE CIRCUMFERENCE	.1063	.7410	.4402	.3690	.4108	.4581	.4581	.3363	.4400	.3954	.4482	.3156	.3580	.3690	.3829
104 BICEPS C-EXTEND/RT	.1127	.7977	.5242	.5036	.5315	.5791	.5848	.5029	.5353	.5322	.5751	.3259	.1457	.1567	.1875
105 BICEPS C-EXTEND/LT	.1028	.8068	.5411	.5278	.5492	.6019	.6083	.5187	.5559	.5548	.5964	.3086	.1447	.1579	.1861
106 BICEPS C-FLEXED/RT	.0460	.7759	.4673	.4358	.4459	.5157	.5354	.4669	.4548	.4511	.5261	.3848	.1755	.1872	.2020
107 BICEPS C-FLEXED/LT	.0444	.7871	.4870	.4623	.4731	.5394	.5607	.4766	.4887	.4762	.5495	.3575	.1808	.1926	.2134
108 ELBOW CIRC-EXTENDED	.1154	.7822	.3998	.3575	.4009	.4395	.4473	.3884	.4011	.3813	.4460	.4323	.3351	.3451	.3581
109 ELBOW CIRC-FLEXED	.0839	.5973	.2314	.2033	.2227	.2585	.2623	.2399	.2199	.2179	.2564	.4133	.3750	.3794	.3864
110 LOWER ARM C-EXTEND	.1189	.7888	.4224	.3527	.4046	.4460	.4644	.4062	.4221	.3866	.4587	.4603	.2842	.2907	.3065
111 LOWER ARM C-FLEXED	.0879	.7135	.3345	.2819	.3153	.3601	.3743	.3462	.3283	.2987	.3726	.4934	.3030	.3068	.3176
112 WRIST CIRCUMF/ENCE	.1531	.8866	.2597	.2568	.2705	.2753	.2688	.2991	.2675	.2500	.2834	.3587	.3484	.3539	.3506
113 SLVE L/SPINE-SCYE	.1402	.5268	.2427	.1872	.2534	.2782	.2488	.2064	.2618	.1808	.2560	.2839	.2889	.2807	.2889
114 SLVE L/SPINE-ELBOW	.0542	.5638	.1714	.1838	.1600	.1778	.1929	.1460	.1635	.1586	.1911	.3403	.6475	.6549	.6278
115 SLVE L/SPINE-WRIST	.0215	.5799	.1302	.1747	.1348	.1451	.1593	.1401	.1225	.1406	.1680	.3876	.7577	.7703	.7438
116 ANTERIOR NECK LGTH	-.2240	-.1829	-.3649	-.3045	-.3762	-.3687	-.3116	-.2995	-.3873	-.3272	-.3115	.0473	.2889	.2416	.2153
117 POSTERIOR NECK LGTH	-.1042	-.0532	-.1835	-.1249	-.1650	-.1802	-.1659	-.1258	-.2083	-.1619	-.1591	.0488	.2191	.1145	.1306
118 SHOULDER LENGTH	-.0032	.2805	.0369	.0429	.0211	.0055	.0409	.0540	.0210	.0220	.0404	.2313	.3371	.3459	.2487
119 DELTOID ARC	-.0361	.3044	.1004	.0966	.0818	.0926	.1306	.0394	.0914	.0662	.1258	.1578	.4215	.4327	.4627
120 INTERSCYE	.1393	.4012	.2218	.1143	.2356	.2371	.2317	.1606	.2452	.1477	.2127	.1239	.1201	.1186	.1198
121 INTERSCYE MAXIMUM	.1237	.6777	.3067	.2639	.2988	.3312	.3810	.2682	.3069	.2653	.3545	.3557	.4375	.4511	.4390
122 WAIST FRONT-OMPH"N	.2094	.5670	.3594	.3178	.3922	.3701	.3257	.2993	.3490	.3216	.3134	.1713	.4115	.4006	.4029
123 CROTCH LGTH-OMPH"N	.1511	.7242	.4150	.4056	.4533	.4511	.4626	.3939	.4329	.4443	.4520	.2381	.3991	.4011	.4272
124 WAIST BACK-OMPHL"N	.0716	.4131	.1257	.1757	.1467	.1135	.1365	.1229	.0960	.1348	.1316	.1993	.5901	.6409	.5774
125 FOOT LENGTH	.0197	.4711	.0166	.0668	.0319	.0259	.0543	.0424	.0237	.0587	.0523	.3659	.6786	.6793	.6636
126 INSTEP LENGTH	.0338	.4482	.0459	.0857	.0629	.0592	.0789	.0744	.0523	.0794	.0777	.3354	.6004	.6055	.5897
127 FOOT BREADTH	-.0383	.4543	.0261	.0714	.0320	.0460	.0320	.0899	.0379	.0735	.0986	.3360	.4279	.4077	.4081
128 BALL-OF-FOOT CIRC	.0398	.5523	.1006	.0995	.1044	.1063	.1313	.1609	.1056	.1236	.1266	.3652	.4467	.4244	.4276
129 INSTEP CIRCUMF/ENCE	.0528	.6186	.1894	.1659	.2065	.1368	.2154	.2119	.2004	.1822	.2168	.3545	.4656	.4535	.4606
130 HEEL CIRCUMFERENCE	.0780	.6648	.1617	.1847	.1952	.1750	.2045	.2193	.1717	.1843	.1993	.3920	.6333	.6297	.6224
131 BI-MALLEOLAR BROTH	.0932	.4842	.0652	.0458	.0798	.0426	.0472	.0781	.0674	.0740	.0328	.3335	.4584	.4423	.4460
132 LAT"L MALLEOLUS HT	.0101	.3364	.0978	.1082	.1059	.0920	.1145	.0679	.0920	.1082	.1144	.1754	.4452	.4382	.4434
133 MED"L MALLEOLUS HT	.0015	.3277	.0375	.0569	.0366	.0238	.0531	.0550	.0299	.0521	.0549	.2300	.4253	.4108	.4046
134 HAND LENGTH	.0271	.3889	.0318	.0189	.0118	-.0287	-.0086	.0022	-.0277	.0210	-.0079	.3788	.6506	.6432	.6355
135 PALM LENGTH	.0317	.3315	-.0166	.0153	-.0011	-.0100	-.0086	-.0035	-.0080	.0188	-.0086	.2849	.5345	.5263	.5249

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136 HAND BR/METACARPLE	.0832	.4479	.0555	.0890	.0672	.0753	.0876	.1298	.0517	.0760	.0974	.4119	.4092	.4031	.3966
137 HAND BRTH AT THUMB	.0862	.4610	.0592	.0605	.0668	.0626	.0594	.1200	.0561	.0619	.0691	.4289	.4289	.4236	.4194
138 HAND C/METACARPALE	.1374	.5104	.0992	.0750	.0999	.1097	.1092	.1475	.1073	.0907	.1131	.4483	.4115	.4047	.4040
139 HAND C ROUND THUMB	.1547	.5936	.1625	.1089	.1449	.1597	.1502	.1808	.1566	.1280	.1579	.5191	.4276	.4188	.4157
140 HAND THICK/META-3	.1568	.2612	.0539	.0913	.0955	.0858	.0792	.1214	.0606	.0817	.0914	.2259	.1964	.2017	.1962
141 HEAD CIRCUMFERENCE	.1101	.4116	.1979	.1493	.1776	.1598	.1794	.1698	.2064	.1544	.1766	.1832	.2939	.2622	.2750
142 SAGITTAL ARC/INION	.0726	.1284	.0051	.0498	.0039	.0057	.0317	.0582	.0058	.0117	.0386	.0758	.1579	.1097	.1184
143 MINIMUM FRONTL ARC	.0594	.1984	.1436	.1048	.1253	.1183	.1352	.1223	.1285	.1206	.1238	.0670	.0709	.0709	.0763
144 BITRAGION-CORONAL	.0587	.3000	.1276	.1174	.1068	.1213	.1568	.0928	.1201	.1093	.1580	.1374	.2664	.2320	.2337
145 BITRAGN-MIN FRNTAL	.0732	.3638	.1607	.1727	.1446	.1462	.1712	.1374	.1618	.1689	.1677	.1795	.2650	.2595	.2621
146 BITRAGN-N-SUBNASALE	.0941	.4661	.2638	.1851	.2296	.2345	.2529	.1850	.2604	.2178	.2418	.1990	.2357	.2307	.2504
147 BITRAGION-MENTON	.1731	.5432	.3001	.2197	.2822	.2782	.2783	.2398	.2987	.2476	.2703	.2281	.3111	.3047	.3208
148 BIT-SUBMANDIBULAR	.2060	.5330	.3821	.2435	.3659	.3564	.3338	.2580	.3839	.2929	.3271	.1864	.2724	.2679	.2851
149 BITRAGN-N-POSTERIOR	.0772	.3008	.2286	.1317	.1558	.1801	.1951	.1253	.2336	.1607	.1989	.1085	.1652	.1698	.1777
150 HEAD LENGTH	.0541	.2609	.0987	.0672	.0703	.0473	.0931	.0780	.1038	.0592	.0869	.1449	.2490	.2172	.2237
151 HEAD DIAGN/MENTON	.0170	.3856	.1044	.0872	.0868	.0973	.1496	.1361	.1026	.0690	.1388	.1995	.3887	.3373	.3376
152 HD DIAG/INION-NOSE	.1582	.2473	.1071	.0843	.0888	.0777	.0578	.0748	.1117	.1957	.0690	.1232	.2042	.1900	.1881
153 EAR BREADTH	.1805	.1803	.0699	.0326	.0738	.0484	.0183	.0359	.0874	.0693	.0104	.0384	.1546	.1485	.1582
154 EAR LENGTH	.3756	.2887	.1786	.1799	.2383	.1936	.1057	.1637	.1984	.2101	.1105	.0545	.2240	.2218	.2256
155 EAR L ABOVE TRAGION	.1270	.0942	.0130	.0651	.0541	.0140	.0048	.0390	.0278	.0472	.0050	.0174	.1216	.1125	.1224
156 HEAD BREADTH	.1222	.3051	.1627	.1227	.1671	.1666	.1553	.1461	.1767	.1499	.1471	.0992	.1325	.1297	.1398
157 MAXIMUM FRONTAL BR	.0308	.2990	.1178	.1093	.1074	.1174	.1172	.1342	.0980	.0980	.1245	.1650	.1971	.2025	.2059
158 BITRAGION BREADTH	.2622	.3973	.2338	.1697	.2415	.2251	.1755	.1681	.2507	.2298	.1682	.1258	.1849	.1852	.2067
159 BIZYGOMATIC BR"OTH	.2331	.4532	.2803	.2260	.2929	.2338	.2488	.2260	.2934	.2699	.2458	.1713	.1898	.1969	.2088
160 BIGONIAL BREADTH	.2237	.4144	.3098	.2924	.3223	.3246	.2388	.2684	.3092	.2883	.3067	.1632	.1041	.1269	.1282
161 EAR-TO-EAR BREADTH	.1559	.2684	.1096	.0874	.1133	.0896	.0585	.0798	.1100	.1149	.0507	.0984	.2104	.2053	.2109
162 BIOCLAR BREADTH	.0031	.1885	.0459	.0561	.0479	.0615	.0705	.0953	.0420	.0394	.0649	.1112	.1227	.1188	.1231
163 INTERPUPILLARY BRD	.0640	.1834	.0650	.0596	.0653	.0628	.0723	.0686	.0537	.0493	.0678	.0908	.1389	.1445	.1516
164 INTEROCULAR BR"OTH	.0219	.1567	.0459	.0126	.0363	.0385	.0562	.0333	.0558	.0340	.0469	.0760	.0953	.0919	.1057
165 NOSE BREADTH	.2277	.1900	.1172	.0002	.1005	.0791	.0133	.0739	.1346	.0389	.0125	.0469	.0463	.0404	.0505
166 LIP LENGTH	.2175	.1734	.0430	.0138	.0409	.0134	.0043	.0563	.0539	.0136	.0012	.0983	.0893	.0851	.0859
167 EAR PROTRUSION	.0877	.1156	.0434	.0214	.0552	.0297	.0023	.0300	.0402	.0399	.0057	.0894	.0825	.0830	.0830
168 SUBNASALE-NASAL RT	.2010	.1196	.0379	.0339	.0132	.0239	.0584	.0119	.0195	.0019	.0504	.0485	.1955	.1701	.1799
169 PHILTRUM LENGTH	.2769	.1309	.0503	.1033	.1165	.0457	.0023	.1154	.0685	.1118	.0006	.0340	.0335	.0246	.0292
170 LIP-TO-LIP LENGTH	.3680	.0663	.0915	.1038	.1802	.1053	.0354	.0763	.1030	.1231	.0275	.0074	.0555	.0453	.0336
171 MENTON-SUBNASALE L	.0005	.1669	.0243	.0469	.0028	.0124	.0354	.0822	.0182	.0489	.0414	.0745	.1712	.1533	.1488
172 MENTON-NASAL ROOT	.1192	.2284	.0002	.0371	.0132	.0065	.0046	.0671	.0074	.0541	.0131	.1043	.2748	.2492	.2483
173 GLABELLA-TO-VERTEX	.2403	.0152	.0698	.0048	.0867	.0561	.0240	.0290	.0921	.0729	.0319	.0429	.0998	.0570	.0458
174 NASAL ROOT-TO-VRX	.2434	.0660	.0510	.0019	.0716	.0430	.0391	.0318	.0705	.0576	.0459	.0681	.1713	.1236	.1110
175 XTRNL CANTHUS-VRX	.2008	.1017	.0258	.0307	.0433	.0027	.0595	.0050	.0385	.0222	.0690	.0563	.1805	.1333	.1256
176 PRONASALE-TO-VRX	.1317	.0551	.0848	.0140	.0845	.0727	.0115	.0395	.1020	.0694	.0017	.0581	.1863	.1389	.1227
177 SUBNASALE-TO-VRX	.1758	.0845	.0753	.0101	.0836	.0629	.0017	.0328	.0961	.0655	.0116	.0771	.2255	.1758	.1602
178 STOMION-TO-VERTEX	.1504	.1043	.0762	.0040	.0824	.0679	.0093	.0239	.0903	.0538	.0095	.0852	.2399	.1870	.1712
179 MENTON-TO-VERTEX	.1385	.1683	.0457	.0122	.0642	.0476	.0183	.0129	.0602	.0294	.0336	.1161	.2826	.2272	.2163
180 TRAGION-TO-VERTEX	.1307	.1665	.0390	.0629	.0233	.0511	.0309	.0420	.0327	.0404	.0911	.0569	.1959	.1448	.1506

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
181 GLABELLA-TO-WALL	.0017	.2758	.0849	.0641	.0539	.0362	.0871	.0722	.0856	.0480	.0935	.1588	.2680	.2367	.2372
182 NASAL ROOT-TO-WALL	.0262	.2726	.0823	.0620	.0551	.0358	.0797	.0718	.0821	.0507	.0860	.1526	.2685	.2414	.2430
183 XTRNL CANTHUS-WALL	.1303	.2202	.1146	.0776	.1060	.0716	.0720	.0844	.1262	.0820	.0727	.1112	.1754	.1586	.1650
184 PRONASALE-TO-WALL	.1487	.2967	.1268	.0848	.1109	.0826	.0848	.0993	.1352	.1013	.0879	.1488	.2512	.2376	.2482
185 SUBNASALE-TO-WALL	.1069	.2797	.1395	.0736	.1123	.0903	.0982	.0975	.1485	.0939	.0984	.1279	.2086	.1955	.2106
186 LIP PROMIN"CE-WALL	.1011	.2909	.1702	.0853	.1327	.1157	.1210	.1223	.1804	.1095	.1215	.1252	.1868	.1807	.1965
187 CHIN PROMINCE-WALL	.1875	.3291	.2188	.1281	.2093	.1840	.1603	.1612	.2349	.1600	.1469	.1431	.1763	.1808	.2025
188 TRAGION-TO-WALL	.0814	.1343	.0382	.0316	.0751	.0578	.0420	.0782	.1134	.0472	.0392	.0441	.0802	.0658	.0756
189 GUESSED HEIGHT	-.0560	.5236	.0268	.1088	.0468	.0350	.0915	.0493	.0106	.0816	.0833	.3205	.9559	.9400	.9236
190 GUESSED WEIGHT	.0986	.9738	.5255	.5021	.5438	.5669	.6011	.4840	.5310	.5119	.5809	.3822	.5647	.5771	.5990

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-0042	-0092	-0159	0225	-0284	-0328	-0173	-0374	-0115	-0431	-0930	0308	0198	-0056	-0279
2 WEIGHT	5609	5108	4791	5554	4830	4224	5052	4484	4204	4076	3591	4363	4544	4270	4044
3 SKF SUBSCAP**R-LNGE	0995	0923	1248	0719	0329	-0301	0516	0421	0044	0137	0513	0406	0349	0163	0595
4 SKF TRICEPS-LANGE	1747	1504	1701	1484	1036	0595	1512	1196	0956	0946	0505	0976	1153	1141	1449
5 SKF JUX**NIPPLE-LGE	1389	1240	1522	1079	0411	-0050	0977	0743	0399	0468	0262	0736	0834	0621	1013
6 SKF MAL XIPH**D-LGE	1253	1159	1475	0863	0315	-0160	0904	0719	0253	0371	0296	0587	0663	0412	0930
7 SKF SUPRAILIAC-LGE	1687	1579	1866	1231	0788	0344	1460	1068	0700	0764	0240	0811	0988	0753	1261
8 SKF SUPRAPATELLA-L	1182	0984	1207	0933	0546	0083	0851	0654	0264	0351	0041	0773	0792	0544	0882
9 SKF SUBSCAP**R-HARP	0941	0844	1156	0624	0221	-0349	0536	0376	-000	0049	-0646	0282	0326	0103	0547
10 SKF TRICEPS-HARP**N	1571	1375	1559	1226	0739	0344	1206	0880	0535	0567	0067	0750	0876	0746	1173
11 SKF SUPRAILIAC-HPN	1660	1511	1784	1192	0795	0342	1436	1059	0699	0746	0229	0793	0987	0729	1283
12 GRIP STRENGTH	2862	2376	1664	3200	2984	3007	3051	2650	2833	2723	2709	2979	2952	2765	2323
13 HEIGHT (STATURE)	9188	8376	7693	9742	9487	9229	9127	8695	8861	8771	8561	8547	8585	8451	7471
14 CERVICALE HEIGHT	9243	8371	7703	9714	9467	9314	9329	8889	9070	8978	8703	8722	8784	8614	7658
15 ACROMION HEIGHT	9577	8842	8221	9614	9517	9159	9208	8777	8819	8564	8603	8664	8456	7550	
16 RADIALE HEIGHT	9326	8877	9266	9184	8582	7725	7583	7246	7222	7120	6880	7013	7065	6796	7029
17 STYLION HEIGHT	9497	8373	8358	7723	7698	7002	6867	6473	6461	6398	6164	6302	6331	6035	5419
18 DACTYLION HEIGHT	8877	9497	7723	9656	9301	9510	9411	9597	9329	9514	9364	8863	9785	9168	8376
19 SUPRASTERNALE HGHT	9266	8373	7723	9276	9168	9510	9411	9597	9329	9514	9364	8863	9785	9168	8376
20 NIPPLE HEIGHT	9184	8358	7698	9656	9301	9510	9411	9597	9329	9514	9364	8863	9785	9168	8376
21 WAIST HT-OMPHALION	8582	7725	7002	9298	9301	9510	9411	9597	9329	9514	9364	8863	9785	9168	8376
22 ILIOCRISTALE HT	8510	7583	6867	9276	9168	9510	9411	9597	9329	9514	9364	8863	9785	9168	8376
23 BUTTOCK HEIGHT	8178	7246	6473	8821	8857	9186	9411	9597	9329	9514	9364	8863	9785	9168	8376
24 TROCHANTERION HGHT	8246	7222	6461	8984	8941	9352	9597	9329	9514	9364	8863	9785	9168	8376	8086
25 GLUTEAL FURROW HGHT	8154	7120	6398	8907	8957	9305	9514	9662	9498	9498	9223	9142	9209	9032	8065
26 GROUCH HEIGHT	7922	6880	6164	8593	8656	9051	9175	9195	9223	9364	8863	9785	9168	8376	8086
27 PATELLA TOP HEIGHT	8071	7013	5302	8768	8594	8946	9207	8914	9142	9142	8863	9785	9168	8376	8086
28 KNEE CIRC HEIGHT	8118	7065	6331	8755	8653	8997	9236	9096	9209	9204	8959	9785	9168	8376	8086
29 FIBULAR HEIGHT	7826	6796	6035	8487	8438	8816	9027	8989	9032	9156	8916	9785	9168	8376	8086
30 CALF HEIGHT	7029	6187	5419	7489	7590	7856	8187	8241	8065	8220	7974	8841	8086	8376	8086
31 ANKLE HEIGHT	4347	3857	3189	4730	4710	4904	4892	5022	4844	4863	4518	5088	4942	4531	4688
32 SITTING HEIGHT	7167	6878	5503	7263	6814	5795	5365	4639	4897	4625	4526	4697	4730	4676	4013
33 EYE HEIGHT/SITTING	6764	6473	6139	6913	6499	5440	5009	4239	4575	4284	4237	4395	4422	4330	3699
34 MIDSHOULDER HT/SIT	7344	7088	6853	6720	6414	5272	5046	4342	4520	4282	4091	4340	4442	4391	3826
35 ACROMION H**GHT/SIT	7153	6979	5792	6247	6048	4848	4671	3959	4140	3918	3717	3958	4068	4022	3492
36 ELBOW REST HGHT/SIT	3546	4246	4600	1721	1579	0107	-0139	-0760	-0549	-0397	-0939	-0556	-0465	-0542	-0479
37 KNEE HEIGHT/SIT**G	8281	7219	6440	8982	8770	9041	9376	9049	9213	9214	8921	9457	9430	9211	8149
38 POPLITEAL HGHT/SIT	7574	6584	5740	8369	8434	8828	8836	8805	8931	9045	8802	8832	8877	8896	7794
39 BUTTOCK-KNEE LNPTH	7344	6503	5980	7891	7661	7898	8334	8134	7976	7921	7721	7601	7590	7322	6858
40 BUTTOCK-POPLITEAL	6650	5829	5439	7135	6954	7178	7606	7438	7253	7258	7043	6783	6865	6668	6146
41 ACROM-8ICEP CIR LVL	4000	3407	2911	4722	4598	4888	5051	4812	4956	4739	4546	4334	4607	4602	4347
42 SHOULDER-ELBOW LTH	6162	4992	4196	7516	7374	7575	7831	7557	7769	7709	7466	7293	7356	7341	6459
43 ACROMION-RADIALE L	5835	4756	3927	7158	7070	7391	7509	7339	7457	7467	7233	6925	7045	7150	6327
44 ELBOW-WRIST LENGTH	6629	4923	3976	7499	7324	7516	7823	7524	7768	7734	7484	7755	7639	7474	6589
45 RADIALE-STYLION LH	6255	4602	3678	7177	6974	7260	7543	7367	7474	7515	7250	7481	7346	7270	6408

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 ELBOW-GRIP LENGTH	.6763	.5303	.4104	.7538	.7431	.7713	.7871	.7660	.7772	.7740	.7499	.7709	.7690	.7510	.6906
47 THUMB-TIP REACH	.5840	.4495	.3570	.6799	.6547	.6750	.7048	.6768	.6922	.6839	.6607	.6788	.6794	.6776	.6102
48 THUMB-TIP R"CH/XTD	.5402	.4282	.3357	.6347	.6341	.6556	.6556	.6376	.6458	.6169	.6255	.6250	.6250	.6240	.5631
49 SLEEVE INSEAM	.5675	.5956	.3169	.7165	.7117	.7448	.7567	.7390	.7629	.7658	.7534	.7294	.7298	.7268	.6317
50 BIACROMIAL BREADTH	.2907	.2256	.1882	.3813	.3353	.3390	.3446	.3128	.3116	.3042	.3233	.3377	.3299	.3128	.2675
51 BIDEULTOID BREADTH	.3271	.2903	.2703	.3353	.2767	.2431	.3031	.2642	.2310	.2310	.1857	.2656	.2592	.2571	.2458
52 CHEST BREADTH	.3123	.2805	.2643	.2966	.2328	.2015	.2579	.2317	.2036	.2002	.1560	.2455	.2452	.2325	.2232
53 WAIST BRDTH-OMPH"N	.3585	.3226	.3144	.3434	.2598	.2148	.3396	.2936	.2513	.2502	.1945	.2902	.2994	.2651	.2783
54 BICRISTALE BREADTH	.3487	.3103	.2769	.3515	.2870	.2444	.3405	.3248	.2995	.2957	.2677	.3383	.3411	.3181	.3103
55 HIP BREADTH	.4516	.4071	.3827	.4502	.3802	.3417	.4156	.3512	.3379	.2964	.2828	.3499	.3570	.3155	.3358
56 HIP BREADTH SIT"G	.4284	.3867	.3759	.4164	.3394	.2946	.3896	.3249	.3080	.2681	.2512	.3130	.3247	.2992	.3096
57 ELBOW BROTH BONE/R	.4084	.3573	.2932	.4399	.3989	.3857	.3975	.3592	.3653	.3449	.3283	.3959	.3899	.3476	.3280
58 ELBOW BROTH BONE/L	.4191	.3660	.3026	.4548	.4094	.4004	.4122	.3724	.3796	.3619	.3509	.4129	.4082	.3735	.3441
59 F"ARM-F"ARM BR"OTH	.2707	.2433	.2284	.2455	.1900	.1618	.2298	.2053	.1638	.1681	.1301	.1982	.2050	.1912	.1841
60 KNEE BR"OTH BONE/R	.4515	.4313	.3843	.4587	.4136	.3815	.3989	.3463	.3555	.3177	.3118	.3734	.3663	.3346	.3226
61 KNEE BR"OTH BONE/L	.4654	.4428	.3967	.4733	.4286	.3937	.4134	.3617	.3703	.3324	.3249	.3852	.3790	.3468	.3329
62 CHEST DEPTH	.2501	.2054	.1827	.2641	.2106	.1681	.2574	.2300	.1955	.1967	.1280	.2312	.2349	.2055	.2184
63 WAIST DEPTH-OMPH"N	.2295	.2065	.2090	.2160	.1483	.0699	.1917	.1646	.1262	.1246	.0574	.1712	.1767	.1500	.1669
64 BUTTOCK DEPTH	.2963	.2804	.2793	.2641	.2001	.1429	.2389	.2242	.1619	.1542	.0933	.2020	.2114	.1808	.2028
65 THIGH CLEARANCE HT	.2533	.2394	.2488	.2055	.1632	.0987	.1806	.1403	.0991	.1042	.0793	.1282	.1485	.1388	.1592
66 NECK CIRC -MAXIMUM	.2641	.2545	.2278	.2407	.1832	.1413	.1998	.1667	.1456	.1389	.0879	.1884	.1845	.1617	.1661
67 SHOULDER CIRCUM"CE	.3396	.2988	.2715	.3547	.3000	.2611	.3298	.2898	.2590	.2585	.2119	.2868	.2924	.2778	.2674
68 CHEST CIRC AT SCYE	.3088	.2766	.2452	.3101	.2562	.2268	.2957	.2624	.2263	.2262	.1580	.2671	.2591	.2381	.2450
69 CHEST CIRCUM"ENCE	.3088	.2735	.2492	.2994	.2449	.2027	.2868	.2517	.2183	.2144	.1466	.2626	.2610	.2310	.2378
70 WAIST CIRC-OMPHAL"N	.3129	.2806	.2797	.2909	.2115	.1424	.2802	.2366	.2008	.1931	.1320	.2379	.2520	.2230	.2346
71 WAIST CIRC-OMPH/SIT	.2718	.2485	.2491	.2527	.1788	.1145	.2398	.1990	.1646	.1599	.0919	.2021	.2106	.1859	.1956
72 BUTTOCK CIRCUM"CE	.4273	.3887	.3754	.4080	.3342	.2782	.3691	.2976	.2782	.2453	.2169	.2991	.3070	.2793	.2948
73 BUTTOCK CIRCUM/SIT	.3998	.3669	.3526	.3840	.3079	.2439	.3491	.2920	.2677	.2363	.2143	.2854	.2985	.2825	.2805
74 VERTICAL TRUNK CIRC	.7015	.6787	.6586	.6509	.5918	.4856	.5039	.4269	.4304	.3926	.3518	.4398	.4462	.4179	.3881
75 VERT TRUNK CIRC/SIT	.7036	.6743	.6540	.6525	.6010	.4929	.5123	.4376	.4414	.4080	.3698	.4437	.4467	.4195	.3878
76 SCROTAL-ANT WAIST	.4253	.4124	.3985	.4213	.3930	.3872	.3310	.2759	.2821	.2582	.1937	.2697	.2753	.2646	.2442
77 SCROTAL-A WAIST/S	.4614	.4574	.4343	.4420	.4336	.4392	.3481	.2897	.3008	.2742	.2814	.2921	.2942	.2882	.2628
78 SCRTL-SUPRSTRNLE	.5596	.5331	.5227	.5871	.5061	.3643	.3905	.3235	.3294	.3106	.2411	.3497	.3404	.3163	.2730
79 SCRTL-SUPRSTRNLE/S	.5840	.5616	.5384	.6171	.5548	.4382	.4218	.3467	.3668	.3430	.3244	.3811	.3766	.3547	.2844
80 SCRTL-ANT SCYE LVL	.5964	.5844	.5795	.5405	.5054	.3724	.3689	.3281	.3167	.3114	.2447	.3248	.3277	.3184	.2799
81 SCRTL-ANT SCYE L/S	.5702	.5628	.5448	.5181	.5054	.4080	.3581	.3130	.3174	.3078	.3012	.3181	.3257	.3213	.2585
82 SCRTL-A MIDSHOULDR	.6160	.5956	.5817	.5819	.5324	.3946	.4288	.3630	.3631	.3444	.3024	.3682	.3732	.3630	.3255
83 SCRTL-A MIDSHOULDR/S	.6362	.6140	.5902	.6074	.5733	.4645	.4667	.3911	.4100	.3835	.2696	.4040	.4157	.4053	.3451
84 SCROTAL-EST WAIST	.3395	.3294	.3270	.3132	.2715	.2573	.2575	.1899	.1795	.1335	.1320	.2051	.2132	.1702	.1817
85 SCRTL-WAIST OVR BK	.3753	.3619	.3486	.3543	.3182	.2509	.2959	.2170	.2280	.1709	.1918	.2387	.2487	.2195	.2152
86 SCROTAL-P WAIST/S	.2956	.2789	.2827	.2849	.2472	.2464	.2274	.1702	.1666	.1277	.0805	.1585	.1713	.1382	.1455
87 SCRTL-WAIST/BUTTL/S	.3217	.3040	.3062	.3063	.2710	.2743	.2500	.1884	.1869	.1448	.1082	.1727	.1864	.1629	.1589
88 SCROTAL-CERVICAL	.5889	.5820	.5463	.5566	.4961	.4130	.4381	.3565	.3665	.3212	.3071	.3805	.3900	.3496	.3243
89 SCROTAL-CERVICAL/S	.5711	.5386	.5272	.5450	.4839	.3861	.4266	.3611	.3635	.3265	.2720	.3553	.3642	.3267	.3147
90 SCRTI-PST SCYE LVL	.5485	.5509	.5450	.4634	.4326	.3367	.3500	.2808	.2804	.2435	.2328	.2908	.3037	.2761	.2824

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91 SCRTL-PST SCYE L/S	.5277	.5244	.5249	.4484	.4166	.3054	.3359	.2876	.2778	.2500	.1958	.2665	.2779	.2504	.2753
92 SCRTL-P MIDSHOULDR	.5959	.5752	.5618	.5413	.4823	.4040	.4246	.3554	.3494	.3105	.2856	.3741	.3744	.3313	.3190
93 SCRTL-MDSHLD OVR B	.6135	.5908	.5695	.5572	.5062	.4235	.4335	.3606	.3712	.3217	.3212	.3824	.3866	.3511	.3325
94 SCRTL-P MDSHLD R/S	.5721	.5459	.5348	.5251	.4661	.3756	.4162	.3620	.3498	.3208	.2593	.3557	.3578	.3167	.3183
95 SCRTL-MDSHLD O B/S	.5999	.5690	.5541	.5409	.4935	.4092	.4395	.3829	.3760	.3412	.2868	.3754	.3781	.3436	.3317
96 UPPER THIGH CIRCUM	.3082	.2837	.2884	.2686	.2100	.1595	.2422	.1952	.1520	.1442	.1105	.1842	.1937	.1629	.1964
97 UPPER THIGH C/SIT	.3306	.3043	.3018	.2941	.2322	.1811	.2717	.2266	.1828	.1770	.1435	.2094	.2192	.1972	.2253
98 KNEE CIRCUMFERENCE	.4627	.4239	.3917	.4514	.3865	.3433	.4412	.3501	.3406	.3050	.2994	.3836	.3912	.3416	.3421
99 KNEE CIRCUMF-C/SIT	.4822	.4440	.4144	.4708	.4108	.3764	.4435	.3903	.3763	.3495	.3261	.4073	.4103	.3748	.3751
100 CALF CIRCUMF/RIGHT	.2709	.2432	.2278	.2631	.2065	.1745	.2248	.1795	.1518	.1481	.1214	.2043	.2090	.1909	.1148
101 CALF CIRCUMF/LEFT	.2921	.2623	.2470	.2825	.2275	.1935	.2448	.1959	.1734	.1669	.1386	.2227	.2281	.2062	.1422
102 ANKLE CIRCUMF-ENCE	.3491	.3385	.2973	.3290	.2818	.2537	.2832	.2325	.2202	.1945	.1947	.2630	.2694	.2477	.1640
103 SCYE CIRCUMFERENCE	.3588	.3301	.2948	.3888	.3208	.2954	.3535	.3100	.3003	.2793	.2420	.3207	.3202	.2909	.2710
104 BICEPS C-EXTEND/RT	.2203	.2087	.2013	.1876	.1208	.0812	.1452	.1090	.0726	.0730	.0228	.1248	.1220	.0969	.1012
105 BICEPS C-EXTEND/LT	.2172	.2127	.2083	.1959	.1212	.0828	.1558	.1218	.0835	.0809	.0343	.1290	.1320	.1045	.1212
106 BICEPS C-FLEXED/RT	.2323	.2122	.1980	.2077	.1470	.1134	.1736	.1357	.1039	.1039	.0665	.1477	.1484	.1240	.1325
107 BICEPS C-FLEXED/LT	.2433	.2302	.2182	.2151	.1537	.1157	.1851	.1489	.1164	.1150	.0776	.1558	.1587	.1327	.1476
108 ELBOW CIRC-EXTENDED	.3782	.3549	.3067	.3609	.2991	.2527	.3031	.2581	.2368	.2247	.1882	.2865	.2812	.2434	.2482
109 ELBOW CIRC-FLEXED	.3830	.3541	.2963	.3852	.3445	.3359	.3550	.3297	.3169	.3138	.2831	.3474	.3365	.3051	.2985
110 LOWER ARM C-EXTEND	.3275	.3103	.2716	.3103	.2468	.2031	.2521	.2086	.1856	.1746	.1361	.2373	.2327	.1996	.2035
111 LOWER ARM C-FLEXED	.3264	.3168	.2602	.3197	.2720	.2385	.2805	.2375	.2231	.2159	.1834	.2709	.2637	.2355	.2295
112 WRIST CIRCUMF-ENCE	.3485	.2888	.2334	.3686	.3118	.2824	.3148	.2653	.2734	.2452	.2255	.3135	.3040	.2799	.2464
113 SLVE L/SPINE-SCYE	.2785	.2506	.2271	.2940	.2460	.2363	.2679	.2313	.2318	.2139	.1858	.2331	.2347	.2328	.2157
114 SLVE L/SPINE-ELBOW	.5298	.4297	.3661	.6483	.6075	.6180	.6483	.6050	.6233	.6040	.5955	.5886	.6002	.5969	.5240
115 SLVE L/SPINE-WRIST	.6456	.5075	.4259	.7644	.7269	.7467	.7776	.7359	.7564	.7425	.7252	.7338	.7366	.7307	.6418
116 ANTERIOR NECK LGTH	.1843	.1847	.1442	.1466	.2081	.2374	.1744	.1943	.1932	.1888	.2296	.1267	.1600	.1903	.1918
117 POSTERIOR NECK LTH	.1232	.1201	.1081	.1684	.1673	.1436	.1085	.1003	.1115	.1078	.1078	.0334	.0963	.1086	.0894
118 SHOULDER LENGTH	.2204	.1546	.1062	.3267	.2890	.3183	.3024	.3256	.2955	.2911	.2901	.2759	.3152	.3149	.2672
119 DELTOID ARC	.3958	.3707	.3381	.4176	.4309	.4029	.4273	.3929	.4015	.3944	.3878	.3528	.3670	.3802	.3546
120 INTERSCYE	.1062	.0877	.0698	.1450	.1064	.1306	.1417	.1391	.1166	.1152	.0650	.1379	.1217	.1043	.1259
121 INTERSCYE MAXIMUM	.4236	.3592	.3186	.4597	.3839	.3703	.4217	.3542	.3716	.3506	.3180	.4006	.3872	.3611	.2958
122 WAIST FRONT-OMPH"N	.4364	.4075	.4070	.4773	.3902	.1665	.2716	.2243	.2242	.2178	.1723	.2668	.2480	.2169	.1732
123 CROTCH LGTH-OMPH"N	.4541	.4370	.4285	.4338	.3852	.3814	.3564	.2789	.2769	.2325	.2067	.2885	.3030	.2779	.2778
124 WAIST BACK-OMPHL"N	.5796	.5441	.5190	.5647	.5124	.3935	.4354	.3774	.4127	.3898	.3736	.4012	.4064	.3913	.3346
125 FOOT LENGTH	.6279	.5465	.4252	.6717	.6440	.6587	.6723	.6302	.6494	.6203	.6192	.6538	.6533	.6300	.5645
126 INSTEP LENGTH	.5607	.4780	.3871	.6072	.5690	.5804	.6039	.5476	.5772	.5499	.5487	.6039	.5842	.5524	.4705
127 FOOT BREADTH	.3991	.3613	.2911	.4203	.3839	.3770	.3871	.3384	.3553	.3169	.3277	.3624	.3605	.3581	.2990
128 BALL-OF-FOOT CIRC	.4183	.3903	.3175	.4437	.3981	.3987	.4027	.3571	.3503	.3299	.3189	.3944	.3793	.3683	.3145
129 INSTEP CIRCUMF"ENCE	.4528	.4202	.3511	.4741	.4308	.4292	.4476	.4035	.4009	.3768	.3422	.4399	.4340	.4153	.3633
130 HEEL CIRCUMFERENCE	.5979	.5404	.4635	.6385	.5873	.5948	.6132	.5581	.5715	.5397	.5173	.6041	.6012	.5720	.4914
131 81-MALLEOLAR BROTH	.4323	.4003	.3319	.4603	.4173	.4094	.4042	.3532	.3710	.3353	.3338	.4209	.3927	.3548	.2941
132 LAT"L MALLEOLUS HT	.4420	.4255	.3869	.4422	.4286	.4335	.4393	.4177	.4151	.4266	.3968	.4567	.4514	.4400	.4191
133 MED"L MALLEOLUS HT	.3966	.3694	.3195	.4168	.3928	.3825	.3585	.3347	.3487	.3400	.3199	.3902	.3734	.3699	.3373
134 HAND LENGTH	.5887	.4918	.3306	.6434	.6309	.6419	.6392	.6165	.6315	.6093	.5988	.6369	.6361	.6176	.5671
135 PALM LENGTH	.4850	.4059	.2805	.5278	.5148	.5289	.5245	.5118	.5115	.4987	.4839	.5237	.5237	.5063	.4634

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
136 HAND BR/METACARPAL	.3810	.3323	.2527	.4089	.3783	.3600	.3714	.3378	.3136	.3085	.3650	.3626	.3499	.2821	
137 HAND BRTH AT THUMB	.4033	.3454	.2616	.4308	.3977	.3915	.3877	.3565	.3611	.3447	.3268	.3914	.3832	.3731	.3134
138 HAND C/METACARPAL	.3920	.3382	.2529	.4164	.3790	.3649	.3706	.3187	.3359	.3042	.2898	.3743	.3644	.3391	.2863
139 HAND C ROUND THUMB	.4079	.3521	.2632	.4313	.3850	.3654	.3738	.3249	.3351	.3060	.2805	.3761	.3665	.3407	.2859
140 HAND THICK/META-3	.1877	.1567	.1163	.1969	.1702	.1567	.1555	.1343	.1478	.1291	.1204	.1676	.1712	.1608	.1290
141 HEAD CIRCUMFERENCE	.2661	.2540	.2152	.2818	.2510	.2325	.2451	.2153	.2266	.2028	.1876	.2391	.2340	.2360	.2096
142 SAGITTAL ARC/INION	.1155	.1193	.1021	.1150	.1041	.0962	.0947	.0748	.0847	.0807	.1115	.0831	.0883	.1215	.0820
143 MINIMUM FRONTL ARC	.0596	.0748	.0646	.0660	.0618	.0473	.0838	.0373	.0549	.0356	.0311	.0738	.0614	.0613	.0823
144 BITRAGON-CORONAL	.2299	.2232	.2045	.2278	.2083	.1859	.2004	.1702	.1768	.1689	.1655	.1773	.1871	.1963	.1699
145 BITRAGN-MIN FRNTAL	.2499	.2285	.1992	.2605	.2332	.2217	.2407	.1988	.2244	.1950	.1830	.2332	.2374	.2407	.2106
146 BITRAG"N-SUBNASALE	.2531	.2350	.2009	.2535	.2325	.2166	.2211	.1865	.1927	.1686	.1462	.2251	.2162	.1912	.1789
147 BITRAGON-MENTON	.3201	.2855	.2512	.3235	.2761	.2492	.2776	.2412	.2467	.2201	.1930	.2752	.2651	.2464	.2349
148 BIT-SUBMANDIBULAR	.2965	.2712	.2403	.2964	.2420	.1977	.2293	.1887	.1938	.1724	.1296	.2351	.2203	.1829	.1858
149 BITRAG"N-POSTERIOR	.1789	.1716	.1487	.1768	.1590	.1311	.1522	.1357	.1441	.1196	.0976	.1468	.1424	.1135	.1231
150 HEAD LENGTH	.2162	.2047	.1774	.2324	.2183	.2076	.2023	.1787	.2010	.1749	.1695	.2011	.1965	.2023	.1776
151 HEAD DIAGNL/MENTON	.3344	.3041	.2743	.3410	.3085	.2922	.3020	.2735	.2815	.2622	.2649	.2825	.2830	.2950	.2654
152 HD DIAGN/INION-NOSE	.1862	.1798	.1497	.1977	.1807	.1759	.1739	.1607	.1779	.1473	.1256	.1751	.1598	.1498	.1513
153 EAR BREADTH	.1567	.1457	.1244	.1610	.1402	.1411	.1356	.1163	.1291	.1065	.0839	.1276	.1141	.0960	.0927
154 EAR LENGTH	.2168	.1905	.1634	.2320	.1881	.1659	.1874	.1656	.1763	.1487	.1135	.1786	.1710	.1672	.1386
155 EAR L ABOVE TRACION	.1161	.1012	.0789	.1147	.1135	.1088	.1143	.1048	.1100	.0974	.0937	.0932	.0924	.1042	.1173
156 HEAD BREADTH	.1378	.1401	.1142	.1277	.0969	.0885	.1113	.0950	.0891	.0826	.0660	.1065	.1024	.1040	.0757
157 MAXIMUM FRONTAL BR	.1992	.1798	.1451	.1974	.1746	.1584	.1788	.1566	.1596	.1523	.1519	.1744	.1811	.1788	.1413
158 BITRAGON BREADTH	.1994	.1918	.1512	.1999	.1694	.1522	.1696	.1548	.1463	.1348	.0918	.1810	.1606	.1364	.1331
159 BIZYGOMATIC BR"OTH	.2096	.1989	.1667	.2081	.1690	.1417	.1703	.1499	.1392	.1297	.0988	.1760	.1651	.1491	.1254
160 BIGONIAL BREADTH	.1341	.1254	.1092	.1319	.0910	.0500	.0956	.0655	.0683	.0570	.0333	.0842	.0914	.0926	.0694
161 EAR-TO-EAR BREADTH	.2037	.1916	.1582	.2105	.1756	.1641	.1592	.1495	.1541	.1408	.1127	.1718	.1582	.1457	.1039
162 BIOCLAR BREADTH	.1182	.1036	.0774	.1168	.1009	.1062	.1160	.1122	.1134	.1014	.1125	.1238	.1314	.1377	.1003
163 INTERPUPILLARY BRO	.1440	.1268	.1062	.1420	.1350	.1382	.1501	.1400	.1469	.1330	.1292	.1449	.1528	.1471	.1250
164 INTEROCULAR B2"OTH	.0914	.0746	.0626	.1023	.0986	.1131	.1190	.1144	.1196	.1057	.0999	.1255	.1197	.1114	.0800
165 NOSE BREADTH	.0453	.0295	.0059	.0691	.0436	.0536	.0519	.0501	.0537	.0342	.0028	.0858	.0730	.0525	.0614
166 LIP LENGTH	.0738	.0669	.0435	.0903	.0737	.0653	.0511	.0530	.0505	.0389	.0325	.0787	.0743	.0589	.0514
167 EAR PROTRUSION	.0782	.0742	.0536	.0970	.0667	.0697	.0512	.0499	.0563	.0420	.0269	.0736	.0639	.0497	.0261
168 SUBNASALE-NASAL RT	.1680	.1543	.1174	.1801	.1582	.1673	.1488	.1346	.1525	.1297	.1210	.1614	.1435	.1363	.1285
169 PHILTRUM LENGTH	.0378	.0399	.0286	.0340	.0034	.0027	.0046	.0126	.0005	.0193	.0241	.0225	.0191	.0422	.0171
170 LIP-TO-LIP LENGTH	.0258	.0045	.0033	.0346	.0641	.0733	.0599	.0780	.0701	.0757	.1074	.0434	.0522	.0591	.0925
171 MENTON-SUBNASALE L	.1413	.1262	.1038	.1455	.1340	.1354	.1409	.1132	.1336	.1184	.1349	.0395	.1300	.1405	.1402
172 MENTON-NASAL ROOT	.2329	.2081	.1720	.2435	.2198	.2263	.2230	.1941	.2171	.1930	.1992	.2300	.2142	.2179	.2103
173 LABELLA-TO-VERTEX	.0420	.0539	.0560	.0380	.0530	.0431	.0455	.0353	.0430	.0363	.0320	.0651	.0376	.1350	.1358
174 NASAL ROOT-TO-VRTX	.1050	.1062	.1024	.1105	.1223	.1086	.1093	.1062	.1033	.1020	.1270	.0651	.0376	.1350	.1358
175 XTRNL CANTHUS-VRTX	.1219	.1249	.1208	.1229	.1279	.1124	.1165	.1072	.1060	.0991	.1244	.0697	.1067	.1369	.1317
176 PRONASALE-TO-VRTX	.1120	.1117	.0967	.1252	.1290	.1173	.1125	.1076	.1130	.1017	.1273	.0738	.1035	.1426	.1471
177 SUBNASALE-TO-VRTX	.1498	.1455	.1278	.1616	.1657	.1482	.1446	.1385	.1431	.1315	.1589	.1040	.1355	.1739	.1712
178 STOMION-TO-VERTEX	.1626	.1543	.1339	.1754	.1745	.1625	.1549	.1461	.1537	.1372	.1637	.1182	.1490	.1890	.1817
179 MENTON-TO-VERTEX	.2043	.1882	.1671	.2171	.2149	.2016	.1985	.1789	.1924	.1752	.2006	.1679	.1859	.2196	.2140
180 TRACION-TO-VERTEX	.1470	.1508	.1483	.1407	.1315	.1263	.1344	.1188	.1181	.1131	.1211	.1044	.1246	.1429	.1216

TABLE V (continued)

		CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967																
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
181	GLABELLA-TO-WALL	.2324	.2222	.1916	.2460	.2315	.2233	.2170	.1944	.2124	.1880	.1907	.2135	.2117	.2205	.1894		
182	NASAL ROOT-TO-WALL	.2401	.2312	.2002	.2511	.2337	.2301	.2213	.1993	.2189	.1951	.1965	.2235	.2191	.2245	.1836		
183	XTRNL CANTHUS-WALL	.1685	.1672	.1442	.1682	.1535	.1511	.1472	.1304	.1432	.1269	.1229	.1524	.1469	.1466	.1070		
184	PRONASALE-TO-WALL	.2476	.2287	.1946	.2501	.2220	.2212	.2217	.1959	.2175	.1883	.1779	.2346	.2168	.1997	.1629		
185	SURNASALE-TO-WALL	.2136	.1990	.1719	.2116	.1890	.1876	.1896	.1691	.1820	.1626	.1492	.2051	.1844	.1661	.1334		
186	LIP PROMIN-CE-WALL	.1994	.1795	.1535	.1967	.1739	.1726	.1805	.1610	.1700	.1553	.1362	.1962	.1746	.1569	.1300		
187	CHIN PROMINCE-WALL	.2046	.1816	.1608	.1969	.1672	.1610	.1771	.1531	.1636	.1492	.1168	.1910	.1665	.1426	.1132		
188	TRAGION-TO-WALL	.0849	.0869	.0800	.0699	.0616	.0644	.0597	.0521	.0541	.0516	.0441	.0674	.0530	.0504	.0231		
189	GUESSED HEIGHT	.8859	.8025	.7352	.9360	.9077	.8948	.8890	.8463	.8588	.8510	.8343	.8305	.8365	.8201	.7259		
190	GUESSED HEIGHT	.6027	.5451	.5084	.6006	.5292	.4715	.5511	.4893	.4685	.4537	.4094	.4916	.4993	.4728	.4380		

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 AGE	.0983	-.0542	-.0255	.0296	.0380	.0259	-.0005	-.1015	.0312	-.0345	.0259	.0482	.0264	.0300	.0328
2 WEIGHT	.2063	.4568	.4119	.5065	.4862	.2656	.5386	.2931	.6363	.5653	.2907	.3995	.3871	.4136	.3989
3 SKF SUBSCAP"R-LNGE	-.0237	.0173	.0018	.1006	.1136	.1190	.0575	-.0937	.2272	.1940	.0527	.0176	.0119	.0165	.0283
4 SKF TRICEPS-LANGE	-.0956	.0604	.0048	.1632	.1752	.1434	.1622	-.0295	.2730	.2843	.0748	.0858	.0934	.0919	.1173
5 SKF JUX"NIPPLE-LGE	-.0024	.0098	.0048	.1273	.1420	.1405	.1125	-.0871	.2678	.2289	.0718	.0523	.0948	.0414	.0726
6 SKF MAL XIPH"D-LGE	-.0456	-.0033	-.0119	.1067	.1280	.1226	.1006	-.0929	.2603	.2374	.0466	.0395	.0412	.0303	.0503
7 SKF SUPRAILIAC-LGE	-.0545	.0515	.0352	.1491	.1646	.1566	.1417	-.0449	.2962	.2808	.0551	.0467	.0543	.0618	.0573
8 SKF SUPRAPATELLA-L	-.1176	.0447	.0367	.1417	.1482	.1479	.1306	-.0786	.2345	.2186	.0111	.0276	.0261	.0570	.0859
9 SKF SUBSCAP"R-HARP	-.0091	-.0127	-.0228	.0846	.1025	.1123	.0630	.1122	.2339	.2037	.0584	.0204	.0162	.0161	.0310
10 SKF TRICEPS-HARP"R	-.0465	.0362	.0273	.1379	.1591	.1389	.1281	-.0673	.2791	.2712	.0482	.0668	.0606	.0650	.0921
11 SKF SUPRAILIAC-HPN	-.0619	.0483	.0321	.1509	.1667	.1650	.1363	-.0423	.2800	.2727	.0473	.0380	.0461	.0576	.0550
12 GRIP STRENGTH	.1424	.2767	.2627	.2552	.2271	.0767	.3435	.2860	.2629	.2426	.1318	.2562	.2383	.3443	.3044
13 HEIGHT (STATURE)	.4699	.7862	.7377	.6934	.6403	.1879	.8320	.8406	.7503	.6859	.4823	.7530	.7194	.7365	.7015
14 CERVICALE HEIGHT	.4594	.7309	.6925	.6999	.6354	.1744	.8981	.8467	.7797	.7094	.4911	.7687	.7332	.7503	.7175
15 ACROMION HEIGHT	.4584	.7076	.6691	.7122	.6927	.2388	.8339	.8251	.7833	.7066	.5110	.7714	.7437	.7346	.7031
16 RADIALE HEIGHT	.4347	.7167	.6764	.7344	.7153	.3646	.8281	.7574	.7344	.6650	.4000	.6162	.5835	.6629	.6255
17 STYLION HEIGHT	.3857	.6878	.6473	.7088	.6979	.4246	.7219	.6554	.6503	.5829	.3407	.4992	.4756	.4923	.4602
18 DACTYLION HEIGHT	.3189	.6503	.6139	.6853	.6792	.4600	.6440	.5774	.5900	.5439	.2911	.4196	.3927	.3976	.3678
19 SUPRASTERNALE HGHT	.4730	.7263	.6913	.6720	.6247	.1721	.8382	.8369	.7891	.7135	.4722	.7516	.7158	.7499	.7177
20 NIPPLE HEIGHT	.4710	.6814	.6499	.6414	.6148	.1579	.8770	.8434	.7661	.6954	.4698	.7374	.7070	.7324	.6974
21 WAIST HT-OMPHALION	.4904	.5795	.5440	.5272	.4848	.0107	.9041	.8828	.7898	.7178	.4888	.7655	.7391	.7616	.7260
22 ILIOCRISTALE HT	.4892	.5365	.5009	.5046	.4671	.0139	.9376	.8836	.8334	.7606	.5061	.7831	.7509	.7823	.7543
23 BUTTOCK HEIGHT	.5022	.4639	.4243	.4342	.3359	-.0760	.9049	.8805	.8134	.7438	.4812	.7557	.7339	.7524	.7367
24 TROCHANTERION HGHT	.4844	.4897	.4575	.4520	.4140	-.0549	.9219	.8931	.7976	.7253	.4956	.7769	.7457	.7768	.7474
25 GLUTEAL FURROW HGHT	.4863	.4625	.4284	.4282	.3318	-.0897	.9214	.9045	.7921	.7258	.4739	.7709	.7467	.7734	.7515
26 CROTCH HEIGHT	.4518	.4526	.4237	.4091	.3717	-.0339	.9321	.8802	.7761	.7043	.4546	.7466	.7233	.7484	.7250
27 PATELLA TOP HEIGHT	.5088	.4697	.4395	.4340	.3958	-.0556	.9457	.8832	.7601	.6783	.4334	.7293	.6925	.7755	.7481
28 KNEE CIRC HEIGHT	.4942	.4730	.4422	.4442	.4068	-.0465	.9430	.8877	.7590	.6855	.4607	.7356	.7045	.7639	.7346
29 FIBULAR HEIGHT	.4531	.4676	.4330	.4391	.4022	-.0542	.9211	.8896	.7322	.6668	.4602	.7331	.7150	.7474	.7270
30 CALF HEIGHT	.4688	.4013	.3699	.3826	.3392	-.0479	.8149	.7794	.6858	.6146	.4347	.6459	.6327	.6589	.6408
31 ANKLE HEIGHT	.2712	.2331	.1976	.1732	.1732	-.0592	.4317	.4942	.4095	.3179	.2984	.3803	.3481	.4105	.4066
32 SITTING HEIGHT	.2712	.2331	.1976	.1732	.1732	-.0592	.4317	.4942	.4095	.3179	.2984	.3803	.3481	.4105	.4066
33 EVE HEIGHT/SITTING	.2331	.9302	.8309	.8309	.7780	.5541	.4876	.4371	.3897	.3375	.2941	.4584	.4067	.3699	.3527
34 MIDSHOULDER HT/SIT	.1976	.8678	.8309	.8309	.7780	.5541	.4876	.4371	.3897	.3375	.2941	.4584	.4067	.3699	.3527
35 ACROMION H"GT/SIT	.1732	.8126	.7780	.7780	.7244	.5415	.4849	.4199	.3675	.3321	.2987	.4396	.4189	.3939	.3559
36 ELBOW REST HGHT/SIT	-.0692	.5634	.5541	.7415	.7887	-.0140	.4876	.4371	.3897	.3375	.2941	.4584	.4067	.3699	.3527
37 KNEE HEIGHT/SITTING	.4817	.5148	.4876	.4849	.4452	.0811	.9060	.8811	.8382	.7851	.7145	.4645	.4396	.4189	.3559
38 POPLITEAL HGHT/SIT	.4942	.4845	.4371	.4199	.3803	.0811	.9060	.8811	.8382	.7851	.7145	.4645	.4396	.4189	.3559
39 BUTTOCK-KNEE LGHT	.4095	.3917	.3897	.3675	.3382	.0724	.7951	.7599	.7145	.6648	.6448	.5979	.4497	.4189	.3559
40 BUTTOCK-POPLITEAL	.3179	.3541	.3375	.3321	.3064	.0676	.7145	.6648	.6448	.5979	.4497	.4189	.3559	.3375	.3179
41 ACROMION-RADIALE L	.2984	.3141	.2941	.2887	.3173	.0680	.4545	.4497	.4371	.4199	.3803	.0811	.9060	.8811	.8382
42 SHOULDER-ELBOW LTH	.3803	.4573	.4584	.4266	.4266	.1585	.7500	.7166	.6967	.6115	.6226	.6095	.6788	.6864	.6519
43 ACROMION-RADIALE L	.3481	.4283	.4067	.4189	.4190	.1395	.7207	.7000	.6522	.5767	.6435	.9095	.6736	.6519	.6519
44 ELBOW-WRIST LENGTH	.4105	.4340	.3699	.3399	.3619	.0326	.7826	.7669	.6260	.5748	.4079	.6788	.6736	.6519	.6519
45 RADIALE-STYLION LH	.4066	.3787	.3527	.3559	.3218	-.1098	.7591	.7186	.6456	.5757	.3977	.6864	.6519	.8447	.8447

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 ELBOW-GRIP LENGTH	.4543	.4613	.3961	.4182	.3823	-.0519	.7817	.7742	.6238	.5626	.4209	.6743	.6720	.8994	.8165
47 THUMB-TIP REACH	.3803	.4138	.3922	.3921	.3482	-.0754	.7002	.6465	.6041	.5467	.4112	.6752	.6466	.6865	.6625
48 THUMB-TIP R"CH/XTD	.3716	.3947	.3654	.3612	.3192	-.0778	.6461	.6102	.5653	.5058	.3861	.6374	.6162	.6370	.6283
49 SLEEVE INSEAM	.3919	.3938	.3687	.3350	.2957	-.2004	.7380	.7397	.6179	.5623	.4644	.7727	.7534	.7622	.7495
50 BIACROMIAL BREADTH	.2470	.3491	.2964	.2458	.1478	-.0085	.3745	.3163	.2954	.2891	.1551	.2748	.2417	.3579	.3173
51 BIODELTOID BREADTH	.1482	.2782	.2598	.2840	.2676	.1363	.3398	.1523	.4379	.3859	.1908	.2515	.2471	.2619	.2657
52 CHEST BREADTH	.1399	.2174	.1887	.2811	.2911	.1837	.3068	.1202	.3887	.3342	.1504	.2151	.2217	.2405	.2517
53 WAIST BROTH-OMPH"IN	.1531	.2156	.1835	.3043	.3076	.1730	.3585	.1334	.4901	.4328	.1935	.2559	.2490	.2506	.2687
54 BICRISTALE BREADTH	.1714	.2085	.1827	.2592	.2529	.0753	.3769	.2167	.4438	.3886	.2068	.3178	.3221	.2825	.2721
55 HIP BREADTH	.1420	.3755	.3457	.4188	.4092	.2253	.4283	.2211	.5502	.5062	.2330	.3321	.3197	.3478	.3296
56 HIP BREADTH SIT"IG	.1104	.3333	.3078	.3973	.3916	.2349	.4084	.1722	.5479	.5096	.2251	.2997	.2842	.2993	.3057
57 ELBOW BROTH BONE/R	.2576	.3718	.3477	.3736	.3545	.1414	.4156	.3344	.3611	.2889	.1915	.3579	.3393	.4003	.3742
58 ELBOW BROTH BONE/L	.2619	.3992	.3773	.4003	.3754	.1526	.4436	.3562	.3696	.2950	.2154	.3802	.3553	.4063	.3898
59 F"ARM-F"ARM BR"OTH	.0692	.1522	.1350	.2169	.2373	.1858	.2597	.0844	.3581	.3131	.0866	.1376	.1724	.2127	.1977
60 KNEE BR"OTH BONE/R	.2453	.4604	.4271	.4453	.4247	.2332	.4416	.3159	.4129	.3480	.2440	.3450	.3154	.3359	.3048
61 KNEE BR"OTH BONE/L	.2462	.4709	.4376	.4574	.4370	.2409	.4530	.3262	.4222	.3596	.2542	.3558	.3261	.3415	.3110
62 CHEST DEPTH	.1381	.1299	.1065	.1992	.2008	.0938	.2853	.0777	.4168	.3557	.1488	.2092	.2055	.2122	.2208
63 WAIST DEPTH-OMPH"IN	.1004	.1039	.0826	.1962	.2023	.1387	.2240	.0059	.3816	.3182	.1065	.1339	.1349	.1343	.1500
64 BUTTOCK DEPTH	.0964	.1959	.1662	.2772	.2764	.2143	.2597	.0385	.4507	.3982	.1314	.1425	.1317	.1509	.1876
65 THIGH CLEARANCE HT	-.0482	.2062	.2233	.2935	.2896	.2720	.2267	-.0087	.3772	.3396	.0876	.1035	.1020	.0874	.1050
66 NECK CIRC -MAXIMUM	.1124	.2457	.2038	.3125	.2894	.2582	.2368	.0753	.3017	.2490	.1153	.1641	.1633	.1515	.1514
67 SHOULDER CIRCUM"GE	.1324	.2907	.2605	.3367	.3201	.1685	.3582	.1815	.4352	.3943	.1891	.2734	.2760	.2983	.2846
68 CHEST CIRC AT SCYE	.2110	.2134	.1724	.2473	.2483	.1193	.3297	.1459	.4441	.3802	.1685	.2416	.2485	.2714	.2555
69 CHEST CIRCUM"ENGE	.1817	.1710	.1378	.2373	.2488	.1275	.3220	.1143	.4553	.3909	.1616	.2358	.2399	.2574	.2465
70 WAIST CIR-OMPHAL"IN	.0928	.1667	.1450	.2733	.2806	.1790	.3079	.0675	.4515	.4015	.1585	.2032	.1972	.1980	.2090
71 WAIST CIR-OMPH/SIT	.0867	.1318	.1097	.2311	.2372	.1528	.2581	.0394	.4137	.3632	.1387	.1726	.1678	.1653	.1791
72 BUTTOCK CIRCUM"GE	.1170	.3473	.3171	.4111	.4041	.2511	.3952	.1487	.5640	.5167	.2037	.2722	.2631	.2882	.2840
73 BUTTOCK CIRCUM/SIT	.0902	.3055	.2843	.3899	.3812	.2486	.3801	.1326	.5238	.4755	.1871	.2586	.2537	.2610	.2709
74 VERTICAL TRUNK CIR	.2509	.6887	.6517	.7562	.7320	.5184	.5071	.3312	.5556	.4791	.3107	.4174	.3992	.3973	.3747
75 VERT TRUNK CIR/SIT	.2771	.7139	.6790	.7853	.7617	.5419	.5067	.3544	.5261	.4579	.3084	.4293	.4026	.3998	.3702
76 SCROTAL-ANT WAIST	.2058	.4627	.4236	.4589	.4368	.3116	.3089	.2204	.3111	.2556	.1893	.2486	.2313	.2297	.2230
77 SCROTAL-A WAIST/S	.1710	.5420	.5204	.5318	.5033	.3637	.3190	.2677	.2998	.2400	.1754	.2659	.2369	.2542	.2349
78 SCRTL-SUPRSTRNLE	.2103	.6279	.5001	.6216	.5947	.4402	.3982	.2534	.4033	.3448	.2088	.3066	.2796	.3041	.2917
79 SCRTL-SUPRSTRNLE/S	.1923	.7230	.7097	.6955	.6610	.4860	.4188	.3239	.3656	.3121	.2079	.3397	.3040	.3324	.3125
80 SCRTL-ANT SCYE LVL	.1912	.6326	.5002	.6804	.6655	.5239	.3590	.2640	.3608	.3055	.1922	.2978	.2797	.2773	.2707
81 SCRTL-ANT SCYE L/S	.1516	.6751	.6614	.7011	.6835	.5418	.3462	.3044	.2780	.2330	.1625	.2920	.2725	.2760	.2613
82 SCRTL-A MIDSHOULDR	.1672	.6235	.5964	.6891	.6723	.4939	.4359	.2816	.4377	.3787	.2475	.3656	.3522	.3327	.3214
83 SCRTL-A MIDSHOULDR/S	.1498	.6978	.6802	.7554	.7426	.5380	.4502	.3504	.4070	.3589	.2603	.4021	.3841	.3661	.3473
84 SCROTAL-EST WAIST	.1105	.3058	.2782	.3365	.3265	.2505	.2483	.0843	.3948	.3672	.1407	.1585	.1511	.1667	.1406
85 SCRTL-WAIST OVR BK	.1414	.3667	.3353	.3719	.3519	.2468	.2939	.1496	.4050	.3678	.1632	.1977	.1718	.2099	.1748
86 SCROTAL-P WAIST/S	.1460	.2997	.2776	.3233	.3170	.2545	.2270	.0865	.2759	.2658	.1505	.1380	.1356	.1138	.1105
87 SCRTL-WAIST/BUTTS	.1459	.3346	.3062	.3477	.3426	.2575	.2204	.1112	.3030	.2976	.1693	.1571	.1458	.1423	.1150
88 SCROTAL-ERVICALE	.1705	.6203	.5870	.6483	.6116	.4356	.4339	.2703	.4929	.4490	.2537	.3455	.3236	.3252	.2933
89 SCROTAL-ERVICALE/S	.2033	.6102	.5748	.6463	.6119	.4431	.4137	.2617	.4492	.4165	.2663	.3369	.3194	.3012	.2795
90 SCRTL-PST SCYE LVL	.1128	.5568	.5226	.6161	.6090	.4924	.3408	.1987	.4115	.3753	.2139	.2592	.2556	.2403	.2077

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL---1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
91 SCRT-L-PST SCYE L/S	.1484	.5361	.5000	.6040	.6002	.4942	.3211	.1897	.3638	.3385	.2157	.2424	.2436	.2129	.1921
92 SCRT-L-P MIDSHOULDR	.2290	.5938	.5545	.6396	.6088	.4443	.4223	.2518	.5132	.4549	.2652	.3336	.3126	.3232	.2897
93 SCRT-L-MDSHLD OVR B	.2412	.6255	.5865	.6617	.6254	.4495	.4382	.2857	.5039	.4417	.2713	.3474	.3151	.3403	.3047
94 SCRT-L-P MDSHLD R/S	.2512	.5615	.5214	.6260	.5952	.4374	.4083	.2481	.4669	.4200	.2649	.3178	.3029	.2998	.2765
95 SCRT-L-MDSHLD O B/S	.2616	.6000	.5602	.6640	.6326	.4592	.4347	.2811	.4792	.4322	.2824	.3450	.3241	.3279	.2994
96 UPPER THIGH CIRCUM	.0649	.2376	.1997	.2974	.2964	.2280	.2767	.0389	.4567	.4175	.1371	.1414	.1417	.1806	.1735
97 UPPER THIGH C/SIT	.0705	.2478	.2118	.3159	.3128	.2307	.3078	.0678	.4745	.4321	.1478	.1658	.1703	.2098	.2029
98 KNEE CIRCUMFERENCE	.1793	.3890	.3570	.4237	.4084	.2421	.4753	.2078	.5350	.4668	.2395	.3346	.3194	.3328	.3183
99 KNEE CIRCUMF-C/SIT	.2136	.3708	.3364	.4137	.3981	.2158	.4948	.2312	.5742	.4839	.2497	.3346	.3182	.3514	.3463
100 CALF CIRCUMF/RIGHT	.0450	.2473	.2175	.2719	.2586	.1709	.2999	.0855	.3736	.3253	.1427	.1625	.1558	.2010	.1997
101 CALF CIRCUMF/LEFT	.0477	.2626	.2301	.2851	.2723	.1780	.3167	.1031	.3902	.3382	.1526	.1787	.1684	.2131	.2065
102 ANKLE CIRCUMF-ENCE	.1037	.3314	.2959	.3424	.3222	.2097	.3430	.1635	.3729	.3065	.1878	.2090	.1860	.2332	.2252
103 SCYE CIRCUMFERENCE	.1766	.3195	.2837	.3614	.3425	.1470	.3775	.2046	.4476	.3899	.2406	.3393	.3266	.3135	.2875
104 BICEPS C-EXTEND/R	.0197	.1846	.1595	.2446	.2420	.2120	.1969	.0168	.3235	.2850	.0112	.0855	.0888	.1510	.1353
105 BICEPS C-EXTEND/LT	.0311	.1740	.1478	.2354	.2293	.1927	.2022	.0132	.3357	.3012	.0492	.0885	.0905	.1334	.1270
106 BICEPS C-FLEXED/R	.0283	.2115	.1878	.2545	.2414	.2026	.2219	.0201	.3217	.2864	.0311	.0941	.0981	.1860	.1589
107 BICEPS C-FLEXED/LT	.0454	.2055	.1794	.2543	.2402	.1940	.2292	.0266	.3390	.3071	.0670	.1059	.1064	.1711	.1442
108 ELBOW CIR-EXTENDED	.1674	.3492	.3218	.3852	.3652	.2438	.3524	.1599	.4412	.3475	.1592	.2399	.2262	.3068	.2703
109 ELBOW CIRC-FLEXED	.2407	.3175	.2870	.3187	.3001	.1306	.3901	.2674	.4067	.3392	.1417	.2941	.2872	.3612	.3244
110 LOWER ARM C-EXTEND	.1409	.3223	.2928	.3562	.3400	.2385	.3067	.1086	.3747	.3096	.1303	.2068	.1889	.2475	.2171
111 LOWER ARM C-FLEXED	.1585	.3084	.2822	.3333	.3163	.1944	.3310	.1634	.3605	.2978	.1247	.2236	.2173	.2753	.2458
112 WRIST CIRCUMF-ENCE	.1723	.3482	.3358	.3745	.3476	.1966	.3635	.2216	.3278	.2542	.1586	.2756	.2646	.3363	.3218
113 SLVE L/SPINE-SCYE	.1498	.2808	.2597	.2923	.2751	.1424	.2956	.1825	.2814	.2392	.1783	.2342	.2425	.2169	.2138
114 SLVE L/SPINE-ELBOW	.2999	.4687	.4430	.4369	.3939	.0396	.6412	.5561	.5876	.5311	.4522	.6958	.6614	.5602	.5544
115 SLVE L/SPINE-WRIST	.3718	.5105	.4823	.4769	.4329	.0492	.7772	.7010	.6860	.6211	.4765	.7757	.7459	.7639	.7351
116 ANTERIOR NECK LGTH	.1334	.3203	.3128	.1796	.1560	.0440	.1319	.2538	.0544	.0548	.1714	.1906	.1911	.1311	.0941
117 POSTERIOR NECK LTH	.0374	.2704	.2760	.1276	.1167	.0711	.1033	.1468	.0447	.0507	.0499	.0913	.0961	.0874	.0813
118 SHOULDER LENGTH	.1652	.2852	.2653	.3233	.2980	.0579	.3109	.2929	.2684	.2575	.0811	.2348	.1933	.2737	.2733
119 DELTOID ARC	.2030	.3212	.3086	.3479	.3756	.0918	.3987	.3728	.3489	.3201	.4769	.4815	.4934	.3176	.3051
120 INTERSCYE	.2114	.0658	.0301	.0278	.0037	.0880	.1549	.0742	.2561	.2102	.1015	.1226	.1406	.1480	.1523
121 INTERSCYE MAXIMUM	.1977	.3938	.3752	.4061	.3710	.1603	.4523	.2984	.4499	.4049	.2204	.3649	.3693	.3435	.3435
122 WAIST FRONT-OMPH"N	.1150	.5096	.5034	.5074	.4858	.3772	.3034	.1608	.3008	.2740	.1290	.2226	.1944	.2377	.2270
123 CROTCH LGTH-OMPH"N	.1962	.4362	.3982	.4751	.4555	.3264	.3527	.1804	.4556	.3915	.2245	.2536	.2367	.2517	.2401
124 WAIST BACK-OMPHL"N	.1531	.6707	.6506	.6837	.6313	.4215	.4378	.3654	.3484	.3121	.2614	.3972	.3668	.3504	.3368
125 FOOT LENGTH	.4141	.4785	.4497	.4238	.3818	.0455	.6919	.6253	.5957	.5102	.3333	.5606	.5292	.6088	.5783
126 INSTEP LENGTH	.3251	.4175	.3989	.3705	.3370	.0353	.6301	.5479	.5537	.4784	.2408	.5056	.4656	.5601	.5298
127 FOOT BREADTH	.2578	.3809	.3517	.3565	.3254	.1447	.4213	.3430	.3569	.3033	.2169	.3059	.2940	.3470	.3263
128 BALL-OF-FOOT CIRC	.3237	.3937	.3564	.3652	.3299	.1398	.4536	.3478	.4104	.3303	.2416	.3259	.3040	.3614	.3540
129 INSTEP CIRCUMF-ENCE	.3339	.3776	.3439	.3574	.3290	.1264	.5010	.3709	.4645	.3743	.2542	.3538	.3311	.3878	.3756
130 HEEL CIRCUMFERENCE	.3893	.4953	.4561	.4685	.4282	.1380	.6654	.5293	.5862	.4987	.3425	.5033	.4804	.5260	.5011
131 BI-MALLEOLAR BROTH	.3364	.4257	.3896	.3602	.3238	.1151	.4468	.3637	.4103	.3043	.2573	.3622	.3204	.3761	.3630
132 LAT-L MALLEOLUS HT	.3940	.3265	.2872	.2937	.2845	.0951	.4684	.4222	.3599	.2991	.2565	.3166	.2984	.3215	.2878
133 MED-L MALLEOLUS HT	.3337	.4025	.3708	.3624	.3411	.1645	.4220	.3759	.2719	.2181	.2163	.3012	.2805	.3001	.2721
134 HAND LENGTH	.4446	.4506	.4155	.3967	.3596	.0164	.6539	.6253	.5432	.4504	.3470	.5565	.5402	.6427	.6125
135 PALM LENGTH	.3769	.3671	.3408	.3193	.2903	.0084	.5378	.5132	.4537	.3735	.2937	.4610	.4494	.5348	.5084

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

136	HAND BR/METACARPAL	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	.41	.42	.43	.44	.45
137	HAND BRTH AT THUMB	.2184	.3643	.3375	.3776	.3525	.1671	.4002	.3191	.3166	.2649	.1737	.3232	.3043	.3840	.3600
138	HAND C/METACARPAL	.2625	.3907	.3543	.3689	.3321	.1335	.4295	.3491	.3541	.2855	.2140	.3474	.3324	.4120	.3798
139	HAND C ROUND THUMB	.2715	.3721	.3441	.3683	.3418	.1491	.4081	.3103	.3575	.2815	.1993	.3308	.3070	.4004	.3630
140	HAND THICK/MET-A-3	.2770	.4119	.3758	.4009	.3667	.1810	.4244	.3044	.3419	.2996	.2052	.3291	.3076	.3964	.3702
141	HEAD CIRCUMFERENCE	.0529	.1983	.2043	.2369	.2305	.1343	.1877	.1226	.1445	.1130	.0991	.1702	.1650	.1716	.1614
142	HEAD CIRCUMFERENCE	.1561	.2870	.2068	.2430	.2230	.0918	.2704	.1937	.2680	.2244	.1427	.2181	.2016	.2109	.1966
143	SAGITTAL ARC/INION	-.0093	.1936	.1356	.1449	.1305	.0833	.1152	.0913	.0732	.0739	.0418	.0724	.0875	.0537	.0658
144	MINIMUM FRONTL ARC	.0903	.0668	.0278	.0499	.0568	.0083	.0841	.0265	.0844	.0744	.1302	.0689	.0671	.0706	.0504
145	BITRAGION-CORONAL	.0542	.2805	.1642	.2081	.1979	.0927	.2135	.1687	.1832	.1822	.1088	.1629	.1614	.1615	.1327
146	BITRAG-MIN FRONTAL	.1014	.2403	.1825	.2294	.2169	.0827	.2708	.1990	.2145	.1887	.1537	.2081	.2020	.2049	.1890
147	BITRAGION-MENTON	.1901	.2209	.1792	.2196	.2044	.0944	.2432	.1512	.2229	.2104	.1476	.1757	.1712	.2211	.1953
148	BIT-SUBMANDIBULAR	.1975	.3063	.2614	.3081	.2889	.1484	.5039	.1906	.3175	.2654	.1741	.2448	.2337	.2731	.2435
149	BITRAGION-N-POSTERIOR	.1883	.2902	.2538	.2766	.2568	.1467	.2452	.1223	.2983	.2401	.1360	.2009	.1722	.2155	.1737
150	HEAD LENGTH	.1245	.1643	.1403	.1590	.1448	.0550	.1528	.0917	.1365	.1682	.1086	.1467	.1080	.1237	.1039
151	HEAD DIAGNL/MENTON	.1338	.2444	.1934	.1898	.1775	.0747	.2212	.1754	.2082	.1571	.1297	.1738	.1605	.1773	.1531
152	HD DIAG/INION-NOSE	.1519	.3974	.3193	.3024	.2766	.1387	.3287	.2522	.2996	.2575	.1614	.2514	.2372	.2613	.2418
153	EAR BREADTH	.1582	.1728	.1144	.1442	.1303	.0416	.1831	.1400	.1953	.1364	.0832	.1244	.1222	.1798	.1641
154	EAR LENGTH	.1706	.1411	.1175	.1288	.1171	.0478	.1390	.0980	.1540	.1416	.1111	.1232	.1075	.1228	.1227
155	EAR L ABOVE TRAGION	.1428	.2030	.1907	.2144	.1980	.0886	.1922	.1149	.2026	.1676	.1154	.2016	.1700	.1570	.1867
156	HEAD BREADTH	.0852	.0851	.0799	.1011	.0930	.0328	.1128	.0972	.0943	.0785	.0678	.0978	.1042	.1011	.1265
157	MAXIMUM FRONTAL BR	.0571	.1316	.0752	.1334	.1234	.0555	.1318	.0752	.1412	.1223	.0515	.1187	.1025	.0825	.0828
158	BITRAGION BREADTH	.0490	.1811	.1492	.2050	.1925	.0834	.2034	.1444	.1501	.0945	.1636	.1641	.1791	.1693	.1746
159	BIZYGOMATIC BR""DTH	.2138	.1581	.1214	.1752	.1682	.0596	.1934	.1062	.2292	.1611	.0958	.1837	.1573	.1552	.1746
160	BIGONIAL BREADTH	.1220	.1847	.1499	.2188	.2035	.1046	.1984	.0975	.2210	.1720	.0859	.1682	.1484	.1410	.1576
161	EAR-TO-EAR BREADTH	-.0269	.1183	.1105	.2046	.1971	.1590	.1275	.0032	.1182	.0980	.0213	.0802	.0714	.0681	.1019
162	BIOCULAR BREADTH	.1479	.2048	.1705	.1998	.1841	.0772	.1800	.1359	.1745	.1633	.0901	.1849	.1513	.1491	.1719
163	INTERPUPILLARY BRD	.0460	.0987	.0763	.1094	.0967	.0301	.1466	.1071	.1045	.1010	.0735	.0982	.1086	.1067	.1164
164	INTEROCULAR BR""DTH	.0598	.0863	.0621	.1059	.0970	.0081	.1578	.1156	.1320	.1216	.0996	.1325	.1330	.1265	.1335
165	NOSE BREADTH	.1388	.0256	.0000	.0180	.0182	.0667	.1264	.1059	.1219	.0903	.1075	.1115	.1201	.1269	.1139
166	LIP LENGTH	.1485	.0253	.0031	.0215	.0077	.0314	.0732	.0311	.0993	.0318	.0695	.0586	.0699	.1116	.1046
167	EAR PROTRUSION	.0840	.1043	.0925	.1125	.0980	.0454	.0762	.0347	.0751	.0339	.0568	.0893	.0811	.0794	.0828
168	SUBNASALE-NASAL RT	.1059	.1067	.0916	.0899	.0794	.0357	.0739	.0572	.0599	.0702	.0474	.0798	.0631	.0717	.0923
169	PHILTRUM LENGTH	.2033	.1616	.1716	.1188	.1061	.0185	.1529	.1390	.1536	.0998	.0792	.1540	.1306	.1299	.1401
170	LIP-TO-LIP LENGTH	.0137	.0645	.0645	.0770	.0637	.0623	.0440	.0238	.0294	.0004	.0035	.0045	.0043	.0125	.0222
171	MENTON-SUBNASALE L	.0048	.0234	.0104	.0243	.0321	.0658	.0528	.0880	.0498	.0650	.0423	.0272	.0042	.0972	.0624
172	MENTON-NASAL ROOT	.0569	.1574	.1290	.1075	.0977	.0192	.1658	.1149	.1577	.1388	.0778	.1189	.1146	.1420	.1138
173	GLABELLA-TO-VERTEX	.1568	.2532	.2153	.1799	.1651	.0323	.2471	.1930	.2272	.1875	.1217	.2110	.1957	.2147	.1965
174	NASAL ROOT-TO-VRX	-.0863	.1415	.0606	.0896	.0837	.0077	.0490	.0637	.0247	.0060	.0563	.0051	.0412	.0217	.0095
175	XTRNL CANTHUS-VRX	-.0267	.1981	.1105	.1255	.1157	.0774	.1126	.1273	.0355	.0604	.0880	.0598	.0914	.0356	.0386
176	PONASALE-TO-VRX	-.0144	.2144	.1021	.1418	.1345	.0922	.1176	.1211	.0460	.0806	.0857	.0665	.0917	.0408	.0395
177	SUBNASALE-TO-VRX	-.0099	.2158	.1373	.1409	.1277	.0764	.1212	.1361	.0350	.0533	.0955	.0805	.1017	.0448	.0554
178	STOMION-TO-VRX	.0041	.2543	.1683	.1738	.1589	.0919	.1319	.1656	.0610	.0787	.1083	.1243	.1036	.0671	.0784
179	MENTION-TO-VRX	.0159	.2705	.1828	.1837	.1653	.0936	.1694	.1726	.0750	.0903	.1112	.1074	.1260	.0884	.0902
180	TRAGION-TO-VRX	.0472	.3014	.2063	.2030	.1861	.0828	.2165	.2022	.1346	.1420	.1337	.1529	.1656	.1488	.1366
		.0339	.2182	.0803	.1236	.1207	.0595	.1383	.1251	.1084	.1218	.0861	.1008	.1103	.0789	.0596

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
181 GLABELLA-TO-WALL	.1322	.2648	.2053	.2068	.1904	.0888	.2412	.1966	.2145	.1682	.1306	.1697	.1657	.1871	.1659
182 NASAL ROOT-TO-WALL	.1288	.2593	.2036	.2027	.1865	.0847	.2446	.1991	.2234	.1764	.1272	.1692	.1658	.1911	.1642
183 XTRNL CANTHUS-WALL	.1080	.1656	.1274	.1304	.1205	.0570	.1660	.1200	.1705	.1219	.0837	.1051	.1015	.1257	.0996
184 PRONASALE-TO-WALL	.1791	.2254	.1906	.1911	.1765	.0739	.2378	.1765	.2529	.1918	.1161	.1801	.1651	.2240	.1956
185 SUBNASALE-TO-WALL	.1707	.1829	.1517	.1464	.1363	.0512	.2035	.1448	.2355	.1769	.1037	.1522	.1356	.1997	.1688
186 LIP PROMIN-CE-WALL	.1565	.1569	.1274	.1329	.1232	.0416	.1344	.1304	.2343	.1735	.0993	.1451	.1332	.2043	.1672
187 CHIN PROMINCE-WALL	.1619	.1458	.1242	.1545	.1497	.0638	.1861	.1122	.2417	.1801	.0999	.1612	.1440	.2065	.1778
188 TRAGION-TO-WALL	.0778	.0886	.0651	.0534	.0497	.0399	.0885	.0364	.1186	.0654	.0341	.0392	.0265	.0566	.0487
189 GUESSED HEIGHT	.4573	.7446	.6950	.6585	.6074	.1548	.8508	.8179	.7536	.6758	.4674	.7304	.6962	.7249	.6845
190 GUESSED WEIGHT	.2316	.4938	.4493	.5362	.5129	.2691	.5799	.3548	.6530	.5807	.3108	.4367	.4216	.4532	.4369

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 AGE	-0.198	0.0968	0.253	-0.300	0.0025	0.0972	0.1988	0.2138	0.1942	0.1046	0.1126	0.1410	0.1196	0.1280	-0.073
2 WEIGHT	0.4085	0.4138	0.3821	0.2780	0.4516	0.7957	0.7494	0.8515	0.6490	0.8094	0.8550	0.4774	0.4632	0.7042	0.6242
3 SKF SUBSCAP-R-LNGE	-0.075	0.0471	0.0457	-0.0501	0.1639	0.4953	0.4632	0.6252	0.4272	0.4347	0.4991	0.0877	0.0660	0.4489	0.2066
4 SKF TRICEPS-LANGE	0.0723	0.1342	0.1082	0.0396	0.0893	0.4068	0.4068	0.5829	0.3951	0.5350	0.5894	0.1265	0.1287	0.3977	0.2205
5 SKF JUX"NIPPLE-LGE	0.0258	0.0896	0.0755	-0.0330	0.0930	0.4717	0.5101	0.6894	0.4722	0.5221	0.5838	0.1172	0.1126	0.4585	0.2188
6 SKF MAL XIPH'D-LGE	0.0059	0.0713	0.0614	-0.0508	0.1341	0.5228	0.5457	0.7175	0.5068	0.5224	0.5954	0.1221	0.1081	0.5025	0.2374
7 SKF SUPRAILIAC-LGE	0.0429	0.0830	0.0620	-0.0262	0.1495	0.5291	0.5159	0.7065	0.4593	0.5349	0.6081	0.1192	0.1090	0.4990	0.2627
8 SKF SUPRAPATELLA-L	0.0311	0.0927	0.0550	-0.0307	0.1081	0.4028	0.3911	0.5027	0.3520	0.4669	0.5123	0.1591	0.1633	0.4066	0.2500
9 SKF SUBSCAP-R-HARP	-0.105	0.0550	0.0467	-0.0514	0.1363	0.4319	0.4807	0.6470	0.4385	0.4588	0.5226	0.0864	0.0656	0.4584	0.2120
10 SKF TRICEPS-HARP"R	0.0494	0.1072	0.0971	0.0662	0.0939	0.4251	0.4381	0.6196	0.4233	0.5523	0.6047	0.1333	0.1209	0.4077	0.2276
11 SKF SUPRAILIAC-HPN	0.0425	0.0813	0.0672	-0.0271	0.1406	0.5131	0.4966	0.6882	0.4321	0.5261	0.5800	0.1181	0.1136	0.4874	0.2645
12 GRIP STRENGTH	0.3394	0.2958	0.2794	0.2359	0.2863	0.3204	0.2853	0.2131	0.2134	0.2422	0.2273	0.3068	0.3189	0.2859	0.3304
13 HEIGHT (STATURE)	0.7531	0.6758	0.6370	0.7117	0.3777	0.3017	0.2607	0.2872	0.3151	0.4142	0.3718	0.4319	0.4533	0.2018	0.4576
14 CERVICALE HEIGHT	0.7610	0.6934	0.6425	0.7223	0.3745	0.3122	0.2680	0.3168	0.3413	0.4270	0.3911	0.4321	0.4476	0.2194	0.4508
15 ACROMION HEIGHT	0.7466	0.6664	0.6225	0.6885	0.3159	0.3263	0.3038	0.3498	0.3609	0.4485	0.4187	0.4237	0.4396	0.2516	0.4533
16 RADIALE HEIGHT	0.6763	0.5840	0.5402	0.5675	0.2907	0.3271	0.3123	0.3585	0.3487	0.4516	0.4284	0.4084	0.4191	0.2707	0.4515
17 STYLION HEIGHT	0.5303	0.4495	0.4282	0.3956	0.2256	0.2903	0.2805	0.3226	0.3103	0.4071	0.3867	0.3573	0.3660	0.2433	0.4313
18 DACTYLION HEIGHT	0.4104	0.3570	0.3357	0.3169	0.1882	0.2703	0.2643	0.3144	0.2769	0.3827	0.3759	0.2932	0.3026	0.2284	0.3843
19 SUPRASTERNALE HGHT	0.7538	0.6799	0.6347	0.7165	0.3813	0.3353	0.2966	0.3434	0.3515	0.4502	0.4164	0.4399	0.4548	0.2455	0.4587
20 NIPPLE HEIGHT	0.7431	0.6547	0.6147	0.7117	0.3353	0.2767	0.2328	0.2598	0.2870	0.3802	0.3394	0.3989	0.4094	0.1900	0.4136
21 WAIST HT-OMPHALION	0.7713	0.6750	0.6341	0.7448	0.3390	0.2431	0.2015	0.2148	0.2444	0.3417	0.2946	0.3857	0.4004	0.1618	0.3815
22 ILIOCRISTALE HT	0.7871	0.7048	0.6556	0.7567	0.3446	0.3031	0.2679	0.3396	0.3405	0.4156	0.3896	0.3975	0.4122	0.2298	0.3989
23 BUTTOCK HEIGHT	0.7660	0.6768	0.6376	0.7390	0.3128	0.2542	0.2317	0.2936	0.3248	0.3512	0.3249	0.3592	0.3724	0.2053	0.3463
24 TROCHANTERION HGHT	0.7772	0.6922	0.6452	0.7629	0.3116	0.2310	0.2036	0.2613	0.2995	0.3379	0.3080	0.3653	0.3796	0.1638	0.3555
25 GLUTEAL FURROW HGHT	0.7740	0.6839	0.6458	0.7658	0.3042	0.2310	0.2002	0.2502	0.2957	0.3364	0.2681	0.3449	0.3619	0.1681	0.3177
26 GROUCH HEIGHT	0.7499	0.6607	0.6169	0.7534	0.2823	0.1357	0.1560	0.1945	0.2577	0.2828	0.2512	0.3283	0.3509	0.1301	0.3118
27 PATELLA TOP HEIGHT	0.7709	0.6788	0.6255	0.7294	0.3377	0.2656	0.2455	0.2902	0.3383	0.3499	0.3130	0.3959	0.4129	0.1982	0.3734
28 KNEE CIRC HEIGHT	0.7690	0.6794	0.6250	0.7298	0.3299	0.2692	0.2452	0.2994	0.3411	0.3570	0.3247	0.3899	0.4082	0.2050	0.3663
29 FIBULAR HEIGHT	0.7510	0.6776	0.6240	0.7268	0.3128	0.2571	0.2325	0.2651	0.3181	0.3155	0.2992	0.3476	0.3735	0.1912	0.3346
30 CALF HEIGHT	0.6906	0.6102	0.5631	0.6317	0.2675	0.2458	0.2232	0.2783	0.3103	0.3358	0.3096	0.3280	0.3441	0.1841	0.3226
31 ANKLE HEIGHT	0.4543	0.3803	0.3716	0.3919	0.2470	0.1482	0.1399	0.1531	0.1714	0.1420	0.1104	0.2576	0.2619	0.0692	0.2463
32 SITTING HEIGHT	0.4613	0.4138	0.3947	0.3938	0.3491	0.2782	0.2174	0.2156	0.2085	0.3755	0.3333	0.3718	0.3992	0.1522	0.4604
33 EYE HEIGHT/SITTING	0.3961	0.3922	0.3654	0.3687	0.2964	0.2598	0.1887	0.1835	0.1827	0.3457	0.3078	0.3477	0.3773	0.1350	0.4271
34 MIDSHOULDER HT/SIT	0.4182	0.3921	0.3612	0.3350	0.2458	0.2840	0.2811	0.3043	0.2592	0.4188	0.3973	0.3736	0.4003	0.2169	0.4453
35 ACROMION H"GT/SIT	0.3823	0.3482	0.3192	0.2957	0.1478	0.2676	0.2911	0.3076	0.2529	0.4092	0.3916	0.3545	0.3754	0.2373	0.4247
36 ELBOW REST HGHT/SIT	-0.0519	-0.0754	-0.0778	-0.2004	-0.0585	0.1363	0.1837	0.1730	0.0753	0.2253	0.2349	0.1414	0.1526	0.1858	0.2332
37 KNEE HEIGHT/SITTING	0.7817	0.7002	0.6461	0.7380	0.3745	0.3398	0.3068	0.3585	0.3769	0.4293	0.4084	0.4156	0.4436	0.2597	0.4416
38 POPLITEAL HGHT/SIT	0.7742	0.6455	0.6102	0.7397	0.3163	0.1523	0.1202	0.1334	0.2167	0.2211	0.1722	0.3344	0.3562	0.0844	0.3159
39 BUTTOCK-KNEE LGHT	0.6238	0.6041	0.5653	0.6179	0.2954	0.3807	0.3887	0.4701	0.4438	0.5502	0.5479	0.3611	0.3696	0.3581	0.4129
40 BUTTOCK-POPLITEAL	0.5626	0.5467	0.5058	0.5623	0.2891	0.3859	0.3342	0.4328	0.3886	0.5062	0.5096	0.2889	0.2950	0.3131	0.3480
41 ACRM-BICEP CIR LVL	0.4209	0.4112	0.3861	0.4644	0.1551	0.1908	0.1504	0.1935	0.2068	0.2330	0.2251	0.1915	0.2154	0.0865	0.2440
42 SHOULDER-ELBOW LTH	0.6743	0.6752	0.6374	0.7727	0.2748	0.2515	0.2151	0.2559	0.3178	0.3321	0.2997	0.3579	0.3802	0.1376	0.3450
43 ACROMION-RADIALE L	0.6720	0.6466	0.6162	0.7534	0.2417	0.2217	0.2217	0.2490	0.3221	0.3197	0.2842	0.3393	0.3553	0.1724	0.3154
44 ELBOW-WRIST LENGTH	0.8994	0.6865	0.5370	0.7622	0.3579	0.2619	0.2405	0.2506	0.2825	0.3478	0.2993	0.4003	0.4063	0.2127	0.3359
45 RADIALE-STYLION LH	0.8165	0.6625	0.5283	0.7495	0.3173	0.2657	0.2517	0.2687	0.2721	0.3296	0.3057	0.3742	0.3898	0.1977	0.3048

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

46	ELBOW-GRIP LENGTH	.6797	.6381	.7365	.3481	.2514	.2331	.2463	.2779	.3432	.2882	.4107	.57	.58	.59	.60
47	THUMB-TIP REACH	.6797	.6804	.6685	.3234	.2784	.2553	.2774	.3292	.3270	.2965	.3556	.3813	.4152	.1916	.3563
48	THUMB-TIP R"CH/XTD	.6381	.6804	.6290	.3224	.2587	.2543	.2585	.3076	.3039	.2738	.3399	.3536	.3813	.2108	.3210
49	SLEEVE INSEAM	.7365	.6685	.6290	.3023	.1502	.1193	.1439	.2065	.2443	.1995	.3070	.3127	.3536	.1869	.3080
50	BIACROMIAL BREADTH	.3481	.3234	.3224	.3023	.1502	.1193	.1439	.2065	.2443	.1995	.3070	.3127	.3536	.1869	.3080
51	BIDELTOID BREADTH	.2514	.2784	.2587	.2543	.1502	.1193	.1439	.2065	.2443	.1995	.3070	.3127	.3536	.1869	.3080
52	CHEST BREADTH	.2331	.2553	.2543	.1502	.1193	.1439	.2065	.2443	.1995	.3070	.3127	.3536	.1869	.3080	.3489
53	WAIST BROTH-OMPH"N	.2463	.2774	.2585	.1439	.3272	.7055	.7470	.5678	.5958	.6302	.2982	.3042	.3042	.7041	.3975
54	RICRISTALE BREADTH	.2779	.3292	.3076	.2066	.2895	.5273	.5678	.7389	.7389	.5986	.6187	.3006	.2948	.4768	.4151
55	HIP BREADTH	.3432	.3270	.3039	.2443	.3398	.6225	.5958	.7601	.5986	.9032	.3253	.3253	.3438	.5477	.5608
56	HIP BREADTH SITTING	.2882	.2965	.2738	.1995	.3202	.6568	.6302	.8196	.6187	.9032	.3253	.3253	.3438	.5477	.5608
57	ELBOW BROTH BONE/R	.4107	.3656	.3399	.3070	.2724	.3256	.2982	.3086	.3006	.3592	.3592	.3592	.3592	.3185	.3801
58	ELBOW BROTH BONE/L	.4152	.3813	.3536	.3127	.2767	.3272	.3042	.3094	.2948	.3695	.3438	.3277	.3164	.6025	.3682
59	F"ARM-F"ARM BR"OTH	.1916	.2108	.1869	.0742	.3157	.7657	.7041	.6402	.4768	.5477	.5882	.2379	.2303	.5673	.3399
60	KNEE BR"OTH BONE/R	.3563	.3210	.3080	.2496	.3489	.4571	.3975	.4673	.4151	.5608	.5381	.2729	.2729	.6057	.4180
61	KNEE BR"OTH BONE/L	.3624	.3272	.3149	.2607	.3463	.4592	.3987	.4695	.4252	.5626	.5439	.2223	.2435	.5974	.4332
62	CHEST DEPTH	.2034	.2523	.2410	.1091	.2681	.6240	.6403	.7285	.5414	.5803	.6318	.2379	.2303	.5673	.3399
63	WAIST DEPTH-OMPH"N	.1209	.1907	.1537	.0392	.2475	.6078	.6400	.8095	.6190	.6000	.6644	.2729	.2729	.6057	.4180
64	BUTTOCK DEPTH	.1581	.1824	.1637	.0445	.2846	.6526	.6533	.8052	.5702	.6701	.7489	.2729	.2729	.6057	.4180
65	THIGH CLEARANCE HT	.0839	.1311	.1120	.0014	.2350	.6457	.5596	.6599	.4518	.6140	.6808	.2223	.2435	.5974	.4332
66	NECK CIRC -MAXIMUM	.1696	.2061	.2047	.0314	.3574	.6274	.6026	.6115	.4799	.4738	.5047	.3288	.3396	.5784	.4661
67	SHOULDER CIRCUM"CE	.2813	.3044	.2833	.1830	.5551	.8711	.7801	.7154	.5174	.6315	.6694	.3574	.3748	.7371	.4871
68	CHEST CIRC AT SCYE	.2545	.2697	.2735	.1217	.4629	.8195	.8118	.7450	.5309	.6178	.6552	.3343	.3314	.7214	.4428
69	CHEST CIRCUM"ENCE	.2437	.2661	.2580	.1071	.4014	.7972	.8344	.8011	.5843	.6470	.6943	.3311	.3256	.7282	.4259
70	WAIST CIRC-OMPHAL"N	.1810	.2437	.2045	.0901	.2883	.6955	.7163	.9363	.6986	.7243	.7975	.2796	.2812	.6478	.4184
71	WAIST CIRC-OMPH/SIT	.1591	.2229	.1767	.0594	.2839	.6776	.6960	.8855	.6595	.6711	.7391	.2579	.2594	.6333	.3919
72	BUTTOCK CIRCUM"CE	.2784	.2943	.2620	.1648	.3549	.7274	.6827	.8493	.6299	.8950	.9267	.3468	.3618	.6499	.5621
73	BUTTOCK CIRCUM/SIT	.2530	.2934	.2425	.1471	.3250	.6855	.6641	.8346	.6484	.8311	.8979	.3357	.3520	.6295	.5189
74	VERTICAL TRUNK CIRC	.4102	.4056	.3736	.2850	.3834	.6126	.5849	.6588	.5110	.6727	.6939	.4228	.4348	.5186	.5558
75	VERT TRUNK CIRC/SIT	.4171	.4012	.3736	.3135	.3556	.5525	.5198	.5954	.4594	.6319	.6475	.4099	.4210	.4498	.5338
76	SCROTAL-ANT WAIST/S	.2586	.2321	.2211	.1853	.2570	.3523	.3339	.3551	.2164	.3758	.3841	.2568	.2574	.2711	.3179
77	SCROTAL-A WAIST/S	.2877	.2462	.2484	.2052	.2341	.2343	.1598	.1574	.1323	.3076	.2688	.2846	.2768	.1583	.3332
78	SCRTL-SUPRSTRNLE	.3062	.3202	.2817	.2319	.3262	.4779	.4619	.5413	.4126	.5295	.5532	.3521	.3515	.3948	.4323
79	SCRTL-SUPRSTRNLE/S	.3404	.3258	.3104	.2808	.3067	.3570	.3291	.3464	.2829	.4462	.4418	.3667	.3775	.2594	.4219
80	SCRTL-ANT SCYE LVL	.3011	.2944	.2571	.2119	.2528	.3917	.3895	.4462	.3520	.4517	.4621	.3033	.2996	.3191	.3826
81	SCRTL-ANT SCYE L/S	.3048	.2657	.2577	.2357	.2016	.2210	.2092	.1925	.1696	.3174	.2972	.2813	.2915	.1440	.3309
82	SCRTL-A MIDSHOULDR	.3420	.3369	.3063	.2494	.3074	.2833	.4076	.5194	.5845	.5708	.6034	.3687	.3804	.4475	.4603
83	SCRTL-A MDSHLD/RS	.3775	.3524	.3319	.3064	.2833	.4076	.3962	.4079	.3290	.4957	.4993	.3817	.4100	.3306	.4648
84	SCROTAL-PST WAIST	.1796	.1773	.1537	.0764	.2594	.4975	.4276	.5053	.3399	.5240	.5485	.2313	.2286	.4436	.3698
85	SCRTL-WAIST OVR BK	.2185	.2214	.2028	.1316	.3015	.4716	.3894	.4376	.3094	.5031	.5211	.2760	.2597	.4022	.4095
86	SCROTAL-P WAIST/S	.1340	.1583	.1268	.0795	.2190	.4038	.3774	.4045	.1925	.4032	.4268	.1792	.1703	.3480	.2903
87	SCRTL-WAIST/BUTT/S	.1554	.1591	.1345	.0959	.2283	.4064	.3558	.3996	.1914	.4420	.4666	.1900	.1880	.3454	.3306
88	SCROTAL-CERVICALE	.3356	.3447	.2954	.2370	.3190	.4981	.4267	.5448	.4342	.5771	.5919	.3448	.3560	.4210	.4846
89	SCROTAL-CERVICLE/S	.3133	.3407	.2817	.2376	.3010	.4836	.4331	.5533	.3977	.5485	.5688	.3208	.3304	.4030	.4664
90	SCRTL-PST SCYE LVL	.2641	.2456	.2149	.1423	.2190	.4432	.3887	.4824	.3658	.5193	.5311	.2698	.2801	.3775	.4212

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
91 SCRTL-PST SCYE L/S	.2393	.2407	.1972	.1370	.1990	.4299	.3956	.4928	.3308	.4847	.4995	.2411	.2514	.3698	.3961
92 SCRTL-P MIDSHOULDR	.3411	.3417	.2978	.2101	.3495	.5672	.5058	.5976	.4568	.6073	.6220	.3563	.3577	.4797	.5036
93 SCRTL-MOSHLO OVR B	.3571	.3566	.3259	.2393	.3589	.5268	.4588	.5234	.4135	.5758	.5841	.3738	.3663	.4359	.5160
94 SCRTL-P MOSHLDR/S	.3179	.3394	.2866	.2137	.3330	.5452	.5027	.6061	.4305	.5695	.5894	.3318	.3318	.4353	.4678
95 SCRTL-MOSHLO O B/S	.3446	.3496	.3028	.2414	.3289	.5202	.4742	.5826	.4161	.5859	.6022	.3405	.3451	.4246	.4921
96 UPPER THIGH CIRCUM	.1692	.1764	.1599	.0618	.3070	.6382	.7744	.6769	.5224	.7667	.8307	.2689	.2749	.6285	.4898
97 UPPER THIGH C/SIT	.2009	.2054	.1845	.0709	.3133	.7056	.6503	.7931	.5563	.7755	.8473	.2875	.2909	.6446	.5014
98 KNEE CIRCUMFERENCE	.3398	.3355	.3004	.2138	.3617	.6288	.5731	.7084	.5658	.7507	.7824	.4407	.4541	.5670	.7288
99 KNEE CIRCUMFCE/SIT	.3565	.3532	.3169	.2360	.3619	.6378	.5962	.7193	.5551	.7381	.7731	.4349	.4463	.5716	.6817
100 CALF CIRCUMF/RIGHT	.1905	.1938	.1856	.0801	.3358	.6187	.5558	.6080	.4351	.6215	.6728	.3165	.3328	.5481	.5649
101 CALF CIRCUMF/LEFT	.1992	.2007	.1931	.0959	.3311	.6131	.5479	.6080	.4371	.6221	.6758	.3204	.3387	.5433	.5568
102 ANKLE CIRCUMFENCE	.2472	.2189	.2137	.1149	.3160	.5144	.4642	.5206	.4103	.5733	.5858	.3734	.3892	.4442	.6132
103 SCYE CIRCUMFERENCE	.3083	.3178	.2913	.2106	.3421	.6121	.5681	.6252	.4558	.5781	.6040	.3784	.3786	.5546	.4617
104 BICEPS C-EXTEND/RT	.1406	.1458	.1354	.0295	.3068	.7160	.6597	.6975	.4872	.6248	.6821	.3402	.3486	.6774	.4554
105 BICEPS C-EXTEND/LT	.1240	.1390	.1345	.0187	.3106	.7324	.6654	.7114	.4951	.6368	.6936	.3281	.3540	.6871	.4449
106 BICEPS C-FLEXED/RT	.1710	.1708	.1606	.0128	.3257	.7022	.6286	.6325	.4451	.5947	.6547	.3499	.3828	.6718	.4543
107 BICEPS C-FLEXED/LT	.1573	.1589	.1521	.0211	.3348	.7183	.6332	.6625	.4677	.6049	.6547	.3499	.3828	.6718	.4543
108 ELBOW CIRC-EXTENDED	.3127	.2760	.2675	.0825	.3614	.6592	.5929	.6147	.4789	.6081	.6225	.4956	.5039	.6166	.5618
109 ELBOW CIRC-FLEXED	.3695	.3275	.3149	.1913	.3474	.5224	.4773	.4420	.3735	.4459	.4389	.4372	.4751	.4425	.4425
110 LOWER ARM C-EXTEND	.2573	.2375	.2270	.0576	.3729	.6764	.6001	.6210	.4779	.5949	.6171	.4864	.4926	.6309	.5576
111 LOWER ARM C-FLEXED	.2840	.2644	.2590	.1044	.3710	.6268	.5678	.5344	.4116	.5152	.5301	.4613	.4691	.5854	.5100
112 WRIST CIRCUMFENCE	.3280	.3216	.2891	.2362	.3246	.4645	.4273	.4436	.3747	.4472	.4467	.4623	.4885	.4149	.5332
113 SLVE L/SPINE-SCYE	.2257	.2697	.2342	.2131	.4447	.5657	.5370	.4516	.3117	.3757	.3950	.2663	.2683	.4517	.3459
114 SLVE L/SPINE-ELBOW	.5553	.5926	.5419	.6436	.5179	.5073	.4366	.4134	.3838	.4415	.4338	.4003	.4072	.3836	.4262
115 SLVE L/SPINE-WRIST	.7395	.6986	.6404	.7492	.5020	.4827	.4174	.4011	.3922	.4609	.4392	.4463	.4566	.3708	.4486
116 ANTERIOR NECK LGTH	.1777	.1178	.1337	.1959	.0071	.1840	.2244	.2846	.1680	.1136	.1003	.0200	.0331	.2252	.0458
117 POSTERIOR NECK LTH	.0926	.0715	.0756	.0168	.0046	.0758	.0863	.1396	.1040	.0366	.0681	.0366	.0570	.0871	.0252
118 SHOULDER LENGTH	.2945	.3026	.3062	.3111	.5783	.3355	.2149	.1703	.1836	.2187	.1886	.2157	.2199	.1909	.2421
119 DELTOID ARC	.3169	.3122	.2932	.3476	.1133	.2409	.1634	.2100	.1852	.2428	.2370	.1760	.2280	.1383	.2591
120 INTERSCYE	.1648	.1839	.1573	.0814	.4261	.5597	.4833	.3874	.2731	.2953	.2924	.1773	.1532	.3951	.2184
121 INTERSCYE MAXIMUM	.3478	.3983	.3647	.2943	.4822	.6420	.5824	.5470	.4429	.5008	.5136	.3684	.3771	.5350	.4406
122 WAIST FRONT-OMPH"N	.2127	.2583	.2156	.1804	.2613	.4047	.3919	.4938	.4221	.4440	.4745	.2926	.2942	.3543	.3514
123 CROTCH LGTH-OMPH"N	.2703	.2705	.2449	.1796	.3409	.5598	.5283	.5931	.3890	.6093	.6418	.3217	.3206	.4861	.4624
124 WAIST BACK-OMPHL"N	.3582	.3793	.3163	.3294	.2146	.1804	.1804	.2953	.3178	.3279	.3179	.3108	.3282	.1525	.3628
125 FOOT LENGTH	.6517	.5545	.5235	.5398	.3538	.3067	.2700	.2953	.3474	.3931	.3498	.4130	.4369	.2247	.4786
126 INSTEP LENGTH	.5695	.5028	.4653	.4911	.3245	.3006	.2698	.2937	.3452	.3809	.3463	.3837	.4020	.2327	.4480
127 FOOT BREADTH	.3620	.3293	.2942	.2626	.3004	.3198	.2918	.2953	.2636	.3676	.3678	.3171	.3596	.2561	.4436
128 BALL-OF-FOOT CIRC	.3790	.3414	.3219	.2613	.3695	.4269	.3877	.3857	.3334	.4357	.4315	.3780	.4176	.3381	.5175
129 INSTEP CIRCUMFENCE	.3988	.3571	.3382	.2765	.3559	.4636	.4315	.4498	.3668	.4852	.4743	.4010	.4348	.3870	.5690
130 HEEL CIRCUMFERENCE	.5432	.5026	.4627	.4324	.4183	.4802	.4353	.4662	.4386	.5286	.5116	.4687	.5070	.3826	.6351
131 BT-MALLEOLAR BROTH	.4009	.3524	.3443	.3295	.3619	.3540	.3276	.3308	.3258	.3900	.3561	.4336	.4582	.2595	.6175
132 LAT"L MALLEOLUS HT	.3501	.3092	.2921	.2761	.1918	.2243	.1934	.2290	.2164	.2489	.2354	.2372	.2621	.1734	.2963
133 MED"L MALLEOLUS HT	.3224	.2719	.2577	.2614	.2577	.2392	.1829	.1900	.2053	.2333	.2467	.2863	.3433	.1649	.4378
134 HAND LENGTH	.7070	.5757	.5527	.5540	.3380	.2553	.2224	.2274	.2320	.3088	.2578	.4302	.4416	.1747	.4000
135 PALM LENGTH	.5905	.4861	.4645	.4541	.2938	.2301	.2063	.2077	.2428	.2706	.2314	.3613	.3664	.1499	.3341

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
136 HAND BR/METACARPAL	.3998	.3282	.2955	.2710	.2961	.3239	.3203	.2699	.2625	.3294	.3129	.4419	.4535	.2999	.4478
137 HAND BRTH AT THUMB	.4194	.3777	.3384	.2972	.3492	.3619	.3399	.2845	.2781	.3328	.3073	.4379	.4510	.3058	.4387
138 HAND C/METACARPAL	.4102	.3644	.3233	.2700	.3462	.3913	.3671	.3303	.3132	.3712	.3571	.4917	.4870	.3420	.4780
139 HAND C ROUND THUMB	.4011	.3712	.3387	.2635	.3950	.4777	.4308	.3974	.3615	.4285	.4113	.4990	.5047	.4164	.5237
140 HAND THICK/MET-A-3	.1630	.1725	.1354	.1244	.1313	.1813	.1866	.1511	.1661	.1977	.1811	.3025	.3069	.1875	.2659
141 HEAD CIRCUMFERENCE	.2222	.2237	.2221	.1535	.2509	.3233	.3132	.3101	.2740	.2879	.2909	.2172	.2237	.2614	.2858
142 SAGITTAL ARC/INION	.0800	.0685	.0745	.0612	.0990	.1008	.0927	.0596	.0405	.0762	.0800	-.0189	.0553	.0620	.0974
143 MINIMUM FRONTL ARC	.0502	.0831	.0604	.0167	.0964	.1702	.1638	.1692	.1463	.1483	.1525	.0857	.0688	.1346	.1260
144 BITRAGION-CORONAL	.1667	.1695	.1458	.1283	.1930	.2354	.2152	.2148	.2054	.1975	.2158	.1843	.1730	.1688	.2131
145 BITRAG-N-MIN FRNTAL	.2098	.2239	.2059	.1490	.2430	.3047	.2959	.2892	.2607	.2790	.2799	.2111	.2224	.2414	.2731
146 BITRAG-N-SUBNASALE	.2813	.2709	.2408	.1653	.3457	.4775	.4314	.4390	.3659	.4109	.4088	.2929	.3171	.3976	.3804
148 BIT-SUBMANDIBULAR	.2203	.2312	.1942	.1038	.3020	.4583	.4225	.4573	.3611	.3773	.3867	.2380	.2489	.3962	.3419
149 BITRAG-N-POSTERIOR	.1250	.1552	.1412	.0839	.1649	.2366	.2044	.2443	.2203	.2014	.2096	.2224	.1856	.1922	.2165
150 HEAD LENGTH	.1895	.1790	.1973	.1315	.1789	.1959	.1892	.1635	.1489	.1657	.1592	.1620	.1733	.1439	.1967
151 HEAD DIAGNL/MENTON	.2777	.2565	.2387	.2009	.2745	.3153	.2740	.2425	.2284	.2467	.2609	.2299	.2475	.2390	.2991
152 HD DIAG/INION-NOSE	.1886	.1920	.1895	.1199	.1765	.1839	.2244	.1969	.1799	.1789	.1679	.2394	.2013	.1496	.1847
153 EAR BREADTH	.1359	.1207	.1301	.0891	.1210	.1310	.1303	.1505	.1251	.1541	.1546	.0995	.1093	.0883	.1527
154 EAR LENGTH	.1716	.2113	.1909	.1353	.1614	.2079	.2408	.2702	.2160	.2382	.2648	.2048	.2085	.1632	.1979
155 EAR L ABOVE TRAGION	.1019	.0854	.0958	.0914	.0359	.0460	.0562	.0632	.0334	.1017	.1034	.0671	.1038	.0358	.0801
156 HEAD BREADTH	.0897	.1066	.0913	.0394	.1879	.2595	.2439	.2684	.2560	.2268	.2355	.1264	.1246	.2285	.2173
157 MAXIMUM FRONTAL BR	.1739	.1752	.1491	.1253	.1921	.2382	.2099	.2135	.2075	.2206	.2206	.1884	.2150	.2272	.2433
158 BITRAGION BREADTH	.1814	.1895	.1696	.1007	.2559	.3512	.3472	.3712	.3324	.3254	.3118	.2408	.2369	.3067	.3017
159 BIZYGOMATIC BR"DTH	.1576	.1876	.1482	.0896	.2780	.4048	.3836	.4103	.3613	.3638	.3535	.2377	.2507	.3585	.3392
160 BIGONIAL BREADTH	.0574	.1317	.0912	.0169	.1801	.3593	.3694	.3770	.3102	.3001	.3254	.2448	.2524	.3514	.2465
161 EAR-TO-EAR BREADTH	.1662	.1635	.1468	.1289	.2000	.2145	.2206	.2381	.2148	.2241	.2271	.1897	.2057	.1657	.2357
162 BIOCLAR BREADTH	.1119	.0786	.0939	.0890	.1440	.1552	.1435	.1436	.1419	.1476	.1436	.1167	.0355	.1446	.1712
163 INTERPILLARY BRD	.1315	.1046	.1152	.1007	.1216	.1384	.1228	.1500	.1383	.1556	.1455	.0401	.0606	.1298	.1602
164 INTEROCULAR BR"DTH	.1198	.0920	.1001	.0979	.1352	.1456	.1363	.1435	.1414	.1286	.1227	.0818	.0827	.0989	.1439
165 NOSE BREADTH	.1061	.0825	.1067	.0431	.1754	.1898	.1784	.1335	.1324	.0997	.0916	.1456	.1104	.1307	.1125
166 LIP LENGTH	.0795	.0761	.0896	.0306	.1421	.1644	.1732	.1231	.1477	.1119	.1056	.1656	.1598	.1376	.1242
167 EAR PROTRUSION	.0892	.0709	.0727	.0647	.1001	.0947	.1043	.1114	.0843	.1091	.1252	.0406	.0570	.0593	.1204
168 SUBNASALE-NASAL RT	.1595	.1519	.1629	.1441	.1154	.0895	.1216	.1007	.1128	.1200	.1021	.1368	.1287	.0603	.1593
169 PHILTRUM LENGTH	.0191	.0620	.0423	.0277	.0741	.1079	.1244	.1154	.0828	.0855	.1035	.0268	.0507	.1012	.0794
170 LIP-TO-LIP LENGTH	.0763	.0374	.0529	.0952	.0139	.0798	.1073	.1283	.0853	.0852	.0781	.0739	.0625	.1007	.0253
171 MENTON-SUBNASALE L	.1216	.1421	.1304	.1091	.1319	.1270	.1121	.0963	.0879	.0910	.1118	.0833	.0890	.0852	.1199
172 MENTON-NASAL ROOT	.2188	.2267	.2118	.1930	.1873	.1731	.1793	.1505	.1460	.1614	.1662	.1705	.1728	.1170	.2062
173 GLABELLA-TO-VERTEX	.0043	.0165	.0097	.0260	.0022	.0061	.0150	.0262	.0437	.0203	.0052	.0066	.0225	.0405	.0368
174 NASAL ROOT-TO-VRX	.0670	.0771	.0339	.0788	.0407	.0367	.0178	.0082	.0002	.0184	.0355	.0262	.0543	.0078	.0862
175 XTRNL CANTHUS-VRX	.0609	.0846	.0453	.0767	.0521	.0577	.0477	.0464	.0188	.0527	.0778	.0358	.0662	.0279	.1020
176 PRONASALE-TO-VRX	.0818	.0991	.0568	.1001	.0410	.0164	.0161	.0019	.0045	.0254	.0364	.0453	.0707	.0203	.1001
177 SUBNASALE-TO-VRX	.1057	.1196	.0838	.1216	.0630	.0375	.0308	.0130	.0112	.0444	.0568	.0701	.0948	.0056	.1310
178 STOMION-TO-VERTEX	.1197	.1360	.1030	.1279	.0832	.0511	.0481	.0246	.0168	.0518	.0672	.0816	.1052	.0060	.1356
179 TEMONION-TO-VERTEX	.1657	.1748	.1411	.1612	.1392	.1133	.1024	.0695	.0600	.0932	.1092	.1196	.1410	.0511	.1708
180 TRAGION-TO-VERTEX	.0829	.0817	.0643	.0869	.1003	.1213	.1073	.1211	.0870	.1044	.1281	.0516	.0664	.0696	.1253

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967																
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
181 GLABELLA-TO-WALL	.2033	.1823	.1895	.1452	.1901	.2115	.1313	.1649	.1473	.1724	.1658	.1515	.1652	.1524	.2160	
182 NASAL ROOT-TO-WALL	.2012	.1841	.1950	.1465	.1832	.2005	.1333	.1629	.1464	.1728	.1647	.1483	.1632	.1506	.2162	
183 XTRNL CANTHUS-WALL	.1351	.1311	.1340	.0806	.1269	.1764	.1695	.1445	.1333	.1238	.1209	.1247	.1192	.1510	.1383	
184 PRONASALE-TO-WALL	.2264	.2000	.2173	.1494	.1964	.2270	.2170	.2141	.1978	.2171	.2044	.1758	.1892	.1926	.2212	
185 SUBNASALE-TO-WALL	.2001	.1609	.1881	.1180	.1754	.2249	.2056	.2021	.1758	.1912	.1819	.1549	.1639	.1881	.1934	
186 LIP PROMINENCE-WALL	.1970	.1563	.1885	.1121	.1783	.2393	.2170	.2119	.1851	.1890	.1831	.1500	.1531	.2054	.1799	
187 CHIN PROMINENCE-WALL	.1896	.1606	.1847	.1069	.1887	.2850	.2542	.2638	.2276	.2363	.2294	.1778	.1823	.2511	.1923	
188 TRAGION-TO-WALL	.0571	.0547	.0634	.0287	.0555	.1025	.1010	.0807	.0686	.0600	.0620	.0512	.0423	.0944	.0556	
189 GUESSED HEIGHT	.7370	.6536	.6227	.6938	.3866	.3227	.2778	.3100	.3270	.4285	.3891	.4209	.4407	.2120	.4571	
190 GUESSED WEIGHT	.4506	.4470	.4099	.3232	.4555	.7592	.7242	.8190	.6373	.7859	.8271	.4573	.4754	.6798	.6259	

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1 AGE	-0062	.3053	.3121	.1625	-1033	.1931	.0314	.1854	.2591	.2620	.2678	.1049	.1954	.1637	.1256
2 WEIGHT	.6290	.7593	.7550	.8156	.7752	.6994	.8308	.8100	.8322	.8562	.8213	.9221	.8882	.8232	.7616
3 SKF SUBSCAP"R-LNGE	.2076	.6034	.6701	.6168	.4915	.4722	.5031	.5234	.5881	.6869	.6750	.5689	.5671	.4105	.3615
4 SKF TRICEPS-LNGE	.2270	.4854	.5474	.5764	.4882	.3094	.4306	.4012	.4630	.6244	.5809	.6017	.6009	.3974	.3421
5 SKF JUX"NIPPLE-LGE	.2224	.6311	.7001	.6518	.4862	.4110	.4822	.4212	.6211	.7466	.7195	.6264	.6369	.4577	.3887
6 SKF MAL XIPH"O-LGE	.2392	.6092	.6981	.6557	.5442	.4727	.5351	.5557	.6323	.7623	.7349	.6429	.6464	.4382	.3747
7 SKF SUPRAILIAC-LGE	.2688	.5711	.6644	.6696	.6430	.4469	.5465	.5348	.5915	.7535	.7220	.6750	.6398	.4421	.3850
8 SKF SUPRAPATELLA-L	.2445	.4714	.5059	.5293	.5005	.3497	.4207	.3989	.4515	.5468	.5178	.5498	.5536	.3740	.3073
9 SKF SUBSCAP"R-HARP	.2118	.6117	.6820	.6319	.4955	.4705	.4969	.5418	.6119	.7061	.6923	.5926	.5876	.4168	.3552
10 SKF TRICEPS-HARP"R	.2317	.5272	.5980	.6131	.4802	.3406	.4345	.4405	.5123	.6598	.6221	.6217	.6174	.4184	.3661
11 SKF SUPRAILIAC-HPN	.2708	.5540	.6469	.6599	.6308	.4500	.5360	.5148	.5705	.7371	.7073	.6595	.6307	.4263	.3716
12 GRIP STRENGTH	.3368	.2374	.1323	.1813	.2394	.2874	.3580	.3144	.2802	.1920	.1800	.2646	.2487	.2893	.2757
13 HEIGHT (STATURE)	.4711	.1970	.1483	.2114	.1689	.2166	.3175	.2636	.2404	.2241	.1870	.3616	.3368	.6299	.6384
14 CERVICALE HEIGHT	.4654	.2262	.1814	.2309	.1854	.2305	.3307	.2683	.2585	.2623	.2214	.3797	.3590	.6335	.6404
15 ACROMION HEIGHT	.4684	.2503	.2117	.2660	.2161	.2499	.3439	.3062	.3046	.2962	.2548	.4084	.3845	.6712	.6773
16 RADIALE HEIGHT	.4654	.2501	.2295	.2963	.2533	.2641	.3396	.3080	.3088	.3129	.2718	.4273	.3998	.7015	.7036
17 STYLION HEIGHT	.4428	.2054	.2065	.2804	.2394	.2545	.2988	.2766	.2735	.2806	.2485	.3887	.3669	.6787	.6743
18 DACTYLION HEIGHT	.3967	.1827	.2090	.2793	.2488	.2278	.2715	.2452	.2492	.2797	.2491	.3754	.3526	.6586	.6540
19 SUPRASTERNALE HGT	.4733	.2641	.2160	.2641	.2055	.2407	.3547	.3101	.2994	.2909	.2527	.4080	.3840	.6509	.6525
20 NIPPLE HEIGHT	.4286	.2106	.1483	.2001	.1642	.1832	.3000	.2562	.2449	.2115	.1788	.3342	.3079	.5918	.6010
21 WAIST HT-OMPHALION	.3937	.1681	.0699	.1429	.0987	.1413	.2611	.2268	.2027	.1424	.1145	.2782	.2439	.4856	.4929
22 ILIOCRISTALE HT	.4134	.2574	.1917	.2389	.1806	.1998	.3298	.2957	.2863	.2802	.2398	.3691	.3491	.5039	.5123
23 BUTTOCK HEIGHT	.3617	.2300	.1646	.2242	.1403	.1667	.2898	.2624	.2517	.2366	.1990	.2976	.2920	.4269	.4376
24 TROCHANTERION HGT	.3703	.1955	.1262	.1619	.0991	.1456	.2590	.2263	.2183	.2008	.1646	.2782	.2577	.4304	.4414
25 GLUTEAL FURROW HGT	.3324	.1967	.1246	.1542	.1042	.1399	.2585	.2262	.2144	.1931	.1599	.2453	.2363	.3926	.4080
26 GROUCH HEIGHT	.3249	.1280	.0574	.0933	.0793	.0879	.2119	.1580	.1465	.1320	.0919	.2169	.2143	.3518	.3698
27 PATELLA TOP HEIGHT	.3852	.2312	.1712	.2020	.1282	.1884	.2868	.2671	.2626	.2379	.2021	.2991	.2854	.4398	.4437
28 KNEE GIRC HEIGHT	.3790	.2349	.1767	.2114	.1495	.1845	.2924	.2591	.2510	.2520	.2106	.3070	.2985	.4462	.4467
29 FIBULAR HEIGHT	.3468	.2055	.1500	.1808	.1388	.1517	.2778	.2381	.2310	.2230	.1859	.2793	.2825	.4179	.4195
30 CALF HEIGHT	.3329	.2184	.1669	.2028	.1592	.1757	.2674	.2450	.2378	.2346	.1956	.2948	.2805	.3881	.3878
31 ANKLE HEIGHT	.2462	.1381	.1004	.0964	-0482	.1124	.1324	.2110	.1817	.0928	.0867	.1170	.0902	.2609	.2771
32 SITTING HEIGHT	.4709	.1299	.1039	.1959	.2062	.2457	.2307	.2134	.1710	.1667	.1318	.3473	.3055	.6887	.7139
33 EYE HEIGHT/SITTING	.4376	.1065	.0826	.1662	.2233	.2038	.2605	.1724	.1378	.1450	.1097	.3171	.2843	.6517	.6790
34 MIDSHOULDER HT/SIT	.4574	.1992	.1962	.2772	.2935	.3125	.3367	.2473	.2373	.2733	.2311	.4111	.3899	.7562	.7853
35 ACROMION H"GT/SIT	.4370	.2008	.2023	.2764	.2896	.2994	.3201	.2483	.2488	.2806	.2372	.4041	.3812	.7320	.7617
36 ELBOW REST HGT/SIT	.2409	.0938	.1387	.2143	.2720	.2055	.1685	.1193	.1275	.1790	.1528	.2611	.2486	.5184	.5419
37 KNEE HEIGHT/SIT"TG	.4530	.2853	.2240	.2897	.2267	.2368	.3382	.3237	.3220	.3079	.2681	.3952	.3801	.5071	.5067
38 POPLITEAL HGT/SIT	.3262	.0777	.0059	.0385	-0087	.0753	.1815	.1459	.1143	.0675	.0394	.1487	.1326	.3312	.3544
39 BUTTOCK-KNEE LENGTH	.4222	.4168	.3816	.4507	.3772	.3017	.4352	.4441	.4553	.4516	.4137	.5640	.5238	.5556	.5261
40 BUTTOCK-POPLITEAL	.3596	.3557	.3182	.3982	.3396	.2490	.3343	.3802	.3909	.4015	.3632	.5167	.4755	.4791	.4579
41 ACROM-BIPEL CIR LVL	.2542	.1488	.1065	.1314	.0476	.1153	.1931	.1685	.1516	.1585	.1387	.2037	.1871	.3107	.3084
42 SHOULDER-ELBOW LTH	.3558	.2092	.1339	.1425	.1035	.1541	.2734	.2416	.2358	.2032	.1726	.2722	.2586	.4174	.4293
43 ACROMION-RADIALE L	.3261	.2055	.1349	.1317	.1020	.1533	.2760	.2485	.2399	.1972	.1678	.2631	.2537	.3992	.4026
44 ELBOW-WRIST LENGTH	.3415	.2122	.1343	.1509	.0874	.1515	.2983	.2714	.2574	.1980	.1653	.2882	.2610	.3973	.3998
45 RADIALE-STYLION LH	.3110	.2208	.1500	.1876	.1050	.1514	.2846	.2555	.2465	.2090	.1791	.2840	.2709	.3747	.3702

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
46 ELBOW-GRIP LENGTH	.3624	.2034	.1207	.1581	.0839	.1696	.2813	.2645	.2437	.1810	.1591	.2784	.2530	.4102	.4171
47 THUMB-TIP REACH	.3272	.2523	.1907	.1824	.1311	.2061	.3044	.2697	.2661	.2437	.2229	.2943	.2934	.4056	.4012
48 THUMB-TIP R"CH/XTD	.3149	.2410	.1537	.1637	.1120	.2047	.2833	.2735	.2580	.2045	.1767	.2620	.2425	.3736	.3736
49 SLEEVE INSEAM	.2607	.1091	.0392	.0445	-.0014	.0314	.1830	.1217	.1071	.0901	.0594	.1648	.1471	.2850	.3135
50 BIACROMIAL BREADTH	.3463	.2681	.2475	.2846	.2350	.3574	.5551	.4629	.4014	.2883	.2839	.3549	.3250	.3834	.3556
51 BIDELOTOID BREADTH	.4592	.6240	.6078	.6626	.6457	.6274	.8711	.8195	.7972	.6955	.6776	.7274	.6855	.6126	.5525
52 CHEST BREADTH	.3987	.6403	.6400	.6533	.5596	.6026	.7801	.8118	.8344	.7163	.6960	.6827	.6641	.5849	.5198
53 WAIST BROT-H-OMPH"IN	.4695	.7285	.8095	.8052	.6599	.6115	.7154	.7450	.8011	.9363	.8855	.8493	.8346	.6588	.5954
54 BICRISTALE BREADTH	.4252	.5414	.6190	.5702	.4518	.4799	.5174	.5309	.5843	.6386	.6595	.6299	.6484	.5110	.4594
55 HIP BREADTH	.5626	.5803	.6000	.6701	.6140	.4738	.6315	.6178	.6470	.7243	.6711	.8950	.8311	.6727	.6319
56 HIP BREADTH SIT"TG	.5439	.6318	.6644	.7489	.6808	.5047	.6694	.6552	.6943	.7375	.7391	.9267	.8979	.6939	.6475
57 ELBOW BROTH BONE/R	.5045	.3277	.2379	.2590	.2223	.3288	.3574	.3343	.3311	.2796	.2579	.3468	.3357	.4228	.4099
58 ELBOW BROTH BONE/L	.5257	.3164	.2303	.2729	.2435	.3396	.3748	.3314	.3256	.2812	.2594	.3618	.3520	.4348	.4210
59 F-ARM-B"ARM BR"OTH	.3838	.6025	.5673	.6057	.5974	.5784	.7371	.7214	.7282	.6478	.6333	.6499	.6295	.5186	.4498
60 KNEE BR"OTH BONE/R	.9693	.3682	.3399	.4180	.4332	.4061	.4871	.4428	.4259	.4184	.3919	.5621	.5189	.5558	.5338
61 KNEE BR"OTH BONE/L	.3703	.3703	.3424	.4201	.4295	.4036	.4874	.4390	.4264	.4242	.3963	.5640	.5285	.5623	.5428
62 CHEST DEPTH	.3424	.7123	.7123	.6951	.5829	.5971	.6940	.7829	.8458	.7553	.7341	.6987	.6930	.5609	.5044
63 WAIST DEPTH-OMPH"IN	.4201	.6951	.7958	.7958	.5942	.6017	.6281	.6618	.7299	.9111	.9051	.7378	.7712	.5694	.4881
64 BUTTOCK DEPTH	.4295	.5829	.5942	.7145	.6059	.6197	.6579	.6579	.6579	.6197	.6197	.8077	.8332	.8099	.6461
65 THIGH CLEARANCE HT	.4036	.5971	.6017	.6059	.5541	.5541	.6777	.6197	.6197	.6311	.6321	.8077	.8332	.8099	.6461
66 NECK CIRC -MAXIMUM	.4874	.6940	.6281	.6798	.6777	.6718	.6718	.6718	.6718	.6718	.6718	.6718	.6718	.6718	.6718
67 SHOULDER CIRCUM"CE	.4390	.7829	.6618	.6993	.6197	.6579	.6579	.6579	.6579	.6579	.6579	.6579	.6579	.6579	.6579
68 CHEST CIRC AT SCYE	.69	.68	.68	.68	.68	.68	.68	.68	.68	.68	.68	.68	.68	.68	.68
69 CHEST CIRCUM"ENCE	.4264	.8458	.7299	.7321	.6311	.6586	.8223	.7321	.7321	.7321	.7321	.7321	.7321	.7321	.7321
70 WAIST CIRC-OMPHAL"N	.4242	.7553	.9111	.8320	.6921	.6419	.7203	.7326	.8044	.8044	.8044	.8044	.8044	.8044	.8044
71 WAIST CIRC-OMPH/SIT	.3963	.7341	.9051	.8077	.6676	.6431	.7001	.7227	.7905	.9339	.8072	.8072	.8072	.8072	.8072
72 BUTTOCK CIRCUM"CE	.5640	.6987	.7378	.8332	.7726	.6042	.7444	.7347	.7661	.8522	.8072	.8072	.8072	.8072	.8072
73 BUTTOCK CIRCUM/SIT	.5285	.6930	.7712	.8099	.7261	.6003	.7129	.6901	.7365	.8443	.8302	.9284	.9284	.9284	.9284
74 VERTICAL TRUNK CIRC	.5523	.5609	.5694	.6461	.5712	.5576	.6312	.6133	.6294	.6481	.6173	.7539	.7539	.7539	.7539
75 VERT TRUNK CIRC/SIT	.5428	.5044	.4881	.5770	.5106	.5013	.5751	.5563	.5864	.5725	.5324	.6911	.6550	.5749	.5434
76 SCROTAL-ANT WAIST	.3222	.3359	.3350	.3793	.2792	.3404	.3659	.3748	.3846	.3466	.3466	.4178	.3827	.5749	.5434
77 SCROTAL-A WAIST/S	.3330	.1381	.0523	.2147	.2071	.1929	.2309	.1779	.1511	.1070	.0655	.3053	.2592	.4869	.5046
78 SCRTL-SUPRASTERNLE	.4423	.4757	.5362	.5264	.4165	.4500	.4368	.4867	.5060	.5819	.5414	.5927	.5821	.7718	.7313
79 SCRTL-SUPRASTERNLE/S	.4293	.3117	.2632	.3381	.3082	.2967	.3744	.3229	.3262	.3271	.2731	.4517	.4401	.6713	.6958
80 SCRTL-ANT SCYE LVL	.3920	.3488	.4368	.4388	.3442	.3930	.3374	.3849	.3987	.4531	.4355	.4975	.4817	.7464	.7194
81 SCRTL-ANT SCYE L/S	.3345	.1285	.1069	.1985	.1936	.1941	.2230	.1689	.1648	.1576	.1090	.2983	.2794	.5715	.6152
82 SCRTL-A MIDSHOULDR	.4706	.5271	.5568	.5624	.4840	.5020	.5652	.5388	.5535	.6066	.5778	.6419	.6357	.8314	.7876
83 SCRTL-A MDSHOULDR/S	.4712	.3765	.3093	.3834	.3871	.3690	.4544	.4307	.4020	.3942	.3342	.5112	.5007	.7252	.7463
84 SCROTAL-PST WAIST	.3681	.4424	.4410	.5921	.5446	.4099	.4888	.4776	.4859	.5060	.4887	.6262	.5701	.5845	.5373
85 SCRTL-WAIST OVR BK	.4070	.3779	.3430	.5120	.5044	.3809	.4560	.4277	.4300	.4180	.3999	.5928	.5283	.5794	.5422
86 SCROTAL-P WAIST/S	.2914	.3983	.3506	.4459	.3822	.3497	.4085	.4453	.4406	.3996	.4000	.4769	.4246	.5079	.4696
87 SCRTL-WAIST/BUTT/S	.3288	.3723	.3224	.4496	.4203	.3386	.4094	.4338	.4195	.3863	.3817	.5159	.4410	.5252	.4958
88 SCROTAL-CERVICAL	.4905	.4450	.4621	.5666	.5337	.4495	.5085	.4505	.4575	.5460	.5066	.6554	.6148	.7729	.7458
89 SCROTAL-CERVICAL/S	.4755	.4655	.4851	.5422	.4898	.4584	.4935	.4798	.4690	.5597	.5265	.6256	.5840	.7581	.7343
90 SCRTL-PST SCYE LVL	.4249	.3666	.4131	.5314	.4940	.3978	.4426	.3937	.4079	.4828	.4532	.5968	.5522	.7225	.6951

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	51	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91 SCRTL-PST SCYE L/S	4038	3944	4460	5099	4533	4172	4355	4286	4330	5028	4800	5632	5176	7051	6752
92 SCRTL-P MIDSHOULDR	5054	4857	5035	6199	5664	5166	5686	5463	5482	5855	5561	6966	6457	8159	7834
93 SCRTL-MDSHLD OVR B	5179	4224	4146	5413	5195	4754	5192	4876	4885	4983	4659	6508	5961	7960	7723
94 SCRTL-P MDSHLD R/S	4739	4936	5367	5954	5218	5235	5532	5599	5579	6015	5783	6585	6090	7840	7582
95 SCRTL-MDSHLD O B/S	4957	4610	4871	5734	5186	4952	5343	5341	5243	5650	5363	6636	6010	7920	7792
96 UPPER THIGH CIRCUM	4865	6608	6750	7988	8332	5534	7154	7128	7299	7754	7410	8972	8200	6592	5977
97 UPPER THIGH C/SIT	4948	6837	6923	8070	8393	5859	7319	7297	7440	7958	7605	9075	8493	6692	6057
98 KNEE CIRCUMFERENCE	7253	6041	6014	6846	6806	5930	6512	6227	6485	6964	6607	8185	7833	6869	6336
99 KNEE CIRCUMF/C/SIT	6763	6307	6080	6974	6840	5549	6573	6541	6741	6974	6627	8127	7719	6984	6424
100 CALF CIRCUMF/RIGHT	5550	5700	5350	6287	6749	5133	6440	6254	6265	6061	5952	7220	6798	5682	5020
101 CALF CIRCUMF/LEFT	5582	5716	5342	6338	6782	5128	6416	6234	6266	6095	5934	7286	6825	5769	5117
102 ANKLE CIRCUMF/ENCE	6062	4546	4304	5230	5388	4539	5302	5142	5116	4975	4827	6304	5933	5600	5096
103 SCYE CIRCUMFERENCE	4565	5942	5554	5886	5688	5954	6596	6519	6570	6333	6107	6701	6360	6060	5599
104 BICEPS C-EXTEND/RT	4481	6900	6380	7003	7189	6529	7536	7492	7524	7133	6937	7581	7180	5803	5163
105 BICEPS C-EXTEND/LT	4401	6890	6498	7154	7295	6564	7683	7540	7541	7319	7103	7676	7342	5731	5070
106 BICEPS C-FLEXED/RT	4498	6569	5678	6428	7176	6364	7541	7172	7089	6517	6335	7177	6774	5558	4983
107 BICEPS C-FLEXED/LT	4544	6534	5875	6684	7169	6382	7667	7212	7137	6771	6559	7270	6916	5609	5012
108 ELBOW CIRC-EXTENDED	5633	6163	5537	6143	6237	6562	6922	6823	6805	6240	6052	7012	6700	6363	5795
109 ELBOW CIRC-FLEXED	4413	4397	3671	4329	4263	4934	5470	5527	5297	4246	4160	5043	4622	4958	4598
110 LOWER ARM C-EXTEND	5582	6371	5689	6251	6469	6800	7140	6995	6953	6347	6194	7047	6669	6211	5677
111 LOWER ARM C-FLEXED	5097	5629	4743	5383	5799	6211	6788	6524	6325	5397	5297	6127	5798	5547	5045
112 WRIST CIRCUMF/ENCE	5405	4346	3343	4196	4005	4703	5185	4581	4512	4437	4346	5002	4952	5065	4675
113 SLVE L/SPINE-SCYE	3481	4099	3619	3919	3820	4400	6258	5712	5092	4366	4215	4414	4280	4548	4131
114 SLVE L/SPINE-ELBOW	4333	3540	2876	3034	2984	3426	5632	4531	4168	3741	3414	4321	4229	5027	4842
115 SLVE L/SPINE-WRIST	4558	3473	2625	2915	2801	3233	5391	4463	4094	3526	3158	4364	4208	5246	5114
116 ANTERIOR NECK LGTH	0484	-3147	-3746	-3017	-2250	-2541	-2015	-2396	-2823	-3497	-3636	-2188	-2529	-0424	-0060
117 POSTERIOR NECK LGTH	0258	-1311	-1409	-1110	-0886	-1051	-0633	-0803	-1123	-1430	-1437	-0778	-0746	0166	0069
118 SHOULDER LENGTH	2371	1478	1151	1521	1318	1716	3552	2420	1915	1441	1311	2047	1945	2482	2356
119 DELTOID ARC	2735	1256	1333	1558	1649	1566	2730	1787	1644	2014	1725	2416	2304	3166	3326
120 INTERSCYE	2095	3896	3223	3603	2652	3484	4660	5408	5099	3433	3596	3561	2981	2898	2439
121 INTERSCYE MAXIMUM	4491	5131	4622	4771	4801	5516	6769	6337	6000	5453	5242	5716	5495	5666	5364
122 WAIST FRONT-OMPH"N	3622	4150	5126	4499	3745	3704	4234	3937	4230	5386	5097	5031	5276	6201	6004
123 CROTCH LGTH-OMPH"N	4640	5343	5180	6467	5693	4950	5943	5767	5775	5800	5697	7134	6618	7922	6943
124 WAIST BACK-OMPHL"N	3759	2104	2338	2167	2067	2596	2543	1596	1753	2951	2485	3285	3357	5778	5896
125 FOOT LENGTH	4873	2445	1848	2260	1766	2385	3151	3013	2932	2468	2243	3546	3284	4620	4526
126 INSTEP LENGTH	4553	2542	1993	2228	1858	2283	3075	2955	2911	2543	2336	3523	3239	4218	4136
127 FOOT BREADTH	4437	2220	1902	2724	2351	2784	3332	3342	2805	2542	2364	3832	3517	4096	4003
128 BALL-OF-FOOT CIRC	5149	3289	2794	3700	3370	3742	4787	4370	4022	3315	3243	4621	4285	4885	4664
129 INSTEP CIRCUMF/NCE	5642	4095	3604	4379	4054	4066	4837	4958	4778	4155	4050	5246	4829	5394	5021
130 HEEL CIRCUMFERENCE	6354	4076	3545	4218	3860	4031	4784	4665	4665	4244	4039	5465	5242	5996	5663
131 BI-MALLEOLAR GRDTH	6192	2911	2435	2861	2148	3087	3533	3735	3577	2626	2699	3870	3454	4805	4654
132 LAT"L MALLEOLUS HT	2984	2094	1810	2138	1632	2024	2262	2394	2142	2048	1902	2641	2364	3355	3291
133 MED"L MALLEOLUS HT	4367	1407	1268	1595	1425	2033	2469	2106	1687	1600	1496	2680	2448	3450	3487
134 HAND LENGTH	4077	2004	1189	1662	0948	2079	2576	2594	2345	1664	1476	2657	2421	4122	4090
135 PALM LENGTH	3431	1877	1180	1534	0792	1698	2241	2420	2171	1543	1437	2340	2138	3482	3470

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
136 HAND BR/METACARPLE	.4494	.2858	.2042	.2490	.2503	.3373	.3777	.3220	.3111	.2572	.2478	.3397	.3447	.4098	.3923
137 HAND BRTH AT THUMB	.4480	.3006	.2021	.2516	.2361	.3351	.3904	.3655	.3470	.2476	.2469	.3420	.3249	.4317	.4079
138 HAND C/METACARPALE	.4813	.3501	.2639	.3050	.2830	.4016	.4270	.4143	.3980	.3104	.3066	.3994	.3805	.4631	.4468
139 HAND C ROUND THUMB	.5290	.4226	.3366	.3804	.3562	.4818	.5174	.4937	.4711	.3823	.3787	.4689	.4431	.5212	.5022
140 HAND THICK/METIA-3	.2583	.2012	.1521	.1413	.1546	.2279	.2328	.1718	.1890	.1779	.1680	.1993	.2242	.2516	.2189
141 HEAD CIRCUMFERENCE	.2883	.2705	.2715	.2948	.2293	.4261	.3272	.3442	.3400	.3085	.2936	.3303	.3204	.3425	.3286
142 SAGITTAL ARC/INION	.0964	.0103	.0210	.0613	.1020	.1271	.1055	.0604	.0514	.0505	.0487	.0845	.0898	.1080	.1086
143 MINIMUM FRONTL ARC	.1285	.1448	.1714	.1578	.1233	.2337	.1545	.1627	.1786	.1814	.1814	.1801	.1649	.1444	.1227
144 BITRAGN-CORONAL	.2187	.1583	.1612	.1784	.1886	.2988	.2238	.2103	.2159	.2055	.1945	.2290	.2122	.2518	.2421
145 BITRAGN-MIN FRNTAL	.2771	.2329	.2410	.2562	.2161	.3778	.3055	.2794	.2813	.2884	.2686	.3012	.2945	.3087	.2795
146 BITRAGN-N-SUBNASALE	.3416	.3506	.3426	.3702	.3041	.4655	.4038	.4188	.4139	.3832	.3729	.4065	.3713	.3809	.3584
147 BITRAGN-MENTON	.3820	.4184	.3912	.4227	.3459	.5176	.4825	.4854	.4847	.4427	.4282	.4697	.4424	.4728	.4409
148 BIT-SUBMANDIBULAR	.3416	.4474	.4522	.4416	.3371	.5440	.4479	.4909	.5034	.4792	.4760	.4598	.4394	.4868	.4578
149 BITRAGN-N-POSTERIOR	.2220	.2432	.2312	.2363	.1900	.2986	.2451	.2462	.2703	.2532	.2461	.2522	.2315	.2556	.2487
150 HEAD LENGTH	.1975	.1506	.1447	.1726	.1281	.2650	.2014	.2055	.1962	.1577	.1474	.1947	.1854	.2394	.2296
151 HEAD DIAGNL/MENTON	.3015	.2010	.1780	.2317	.2407	.3468	.3132	.2759	.2635	.2279	.2200	.2917	.2778	.3445	.3260
152 HD DIAG/INION-NOSE	.1870	.1944	.1671	.1879	.0757	.2713	.2091	.2236	.2246	.1741	.1678	.1949	.1963	.2235	.2192
153 EAR BREADTH	.1546	.1569	.1482	.1445	.0401	.1367	.1244	.1892	.1750	.1320	.1389	.1571	.1266	.2050	.2089
154 EAR LENGTH	.2031	.2735	.2687	.2278	.0803	.2470	.2130	.2631	.2859	.2751	.2784	.2544	.2726	.3104	.2845
155 EAR L ABOVE TRAGION	.0753	.0715	.0554	.0597	.0256	.0544	.0507	.0763	.0708	.0651	.0690	.0928	.0945	.1091	.1037
156 HEAD BREADTH	.2184	.2232	.2311	.2229	.1818	.3469	.2445	.2641	.2705	.2648	.2525	.2516	.2535	.2322	.2168
157 MAXIMUM FRONTAL BR	.2437	.1938	.1764	.1731	.1944	.3127	.2715	.2224	.2227	.2253	.2141	.2368	.2362	.2438	.2188
158 BITRAGION BREADTH	.2971	.3511	.3262	.3203	.1932	.4163	.3372	.3995	.3977	.3493	.3491	.3437	.3284	.3540	.3214
159 BIZYGOMATIC BR**OTH	.3364	.3731	.3699	.3652	.2797	.4881	.4013	.4159	.4208	.4118	.4066	.3941	.3922	.3785	.3380
160 BIGONIAL BREADTH	.2516	.3727	.3748	.3436	.3273	.4459	.4062	.3501	.3752	.4184	.4045	.3603	.4025	.3190	.2771
161 EAR-TO-EAR BREADTH	.2380	.1903	.1787	.1813	.1013	.2419	.2083	.2314	.2268	.2014	.1963	.2187	.2244	.2588	.2537
162 BIOCLAR BREADTH	.1668	.1218	.1210	.1353	.1351	.1876	.1709	.1400	.1328	.1420	.1367	.1565	.1540	.1365	.1216
163 INTERPUPILLARY BRD	.1594	.1354	.1339	.1198	.1026	.1875	.1573	.1515	.1473	.1560	.1507	.1580	.1601	.1468	.1342
164 INTEROCULAR BR**OTH	.1430	.1242	.1096	.1128	.0838	.1565	.1431	.1723	.1645	.1205	.1171	.1325	.1133	.1037	.0993
165 NOSE BREADTH	.1078	.2080	.1657	.1486	.0955	.2694	.2003	.2380	.2238	.1428	.1680	.1383	.1410	.1515	.1161
166 LIP LENGTH	.1215	.1642	.1307	.0971	.0806	.2516	.1725	.1855	.1761	.1217	.1258	.1222	.1330	.1479	.1334
167 EAR PROTRUSION	.1189	.0741	.0905	.0889	.0274	.0584	.0903	.1173	.1062	.0847	.0931	.1065	.1064	.1264	.1206
168 SUBNASALE-NASAL RT	.1499	.0719	.0561	.0682	.0401	.0791	.0702	.1472	.1269	.0595	.0588	.0588	.0836	.1650	.1643
169 PHILTRUM LENGTH	.0808	.1423	.1508	.1276	.0529	.1315	.0878	.1261	.1369	.1428	.1385	.1208	.1422	.1358	.1123
170 LIP-TO-LIP LENGTH	.0218	.1446	.1545	.1049	.0116	.1063	.0560	.1106	.1334	.1398	.1425	.0675	.1004	.0889	.0753
171 MENTON-SUBNASALE L	.1266	.0808	.0811	.1121	.1033	.1234	.1240	.1103	.1056	.1009	.0833	.1377	.1169	.1402	.1305
172 MENTON-NASAL ROOT	.2075	.1221	.1077	.1404	.0778	.1585	.1622	.1852	.1723	.1286	.1168	.1855	.1678	.2314	.2198
173 GLABELLA-TO-VERTEX	.0415	.1149	.0737	.0278	.0714	.0217	.0207	.0783	.0955	.0361	.0366	.0080	.0085	.0155	.0099
174 NASAL ROOT-TO-VRTX	.0896	.0810	.0374	.0057	.0948	.0570	.0595	.0294	.0552	.0035	.0016	.0283	.0233	.0343	.0371
175 XTRNL CANTHUS-VRTX	.1046	.0423	.0066	.0317	.1073	.1001	.0813	.0031	.0132	.0369	.0314	.0668	.0604	.0726	.0646
176 PRONASALE-TO-VRTX	.0990	.0876	.0489	.0145	.0493	.0353	.0394	.0413	.0618	.0162	.0148	.0184	.0189	.0449	.0447
177 SUBNASALE-TO-VRTX	.1324	.0791	.0421	.0013	.0688	.0606	.0629	.0243	.0470	.0021	.0065	.0401	.0403	.0732	.0765
178 STOMION-TO-VERTEX	.1383	.0585	.0267	.0153	.0742	.0742	.0722	.0035	.0253	.0108	.0040	.0567	.0523	.0912	.0926
179 MENTON-TO-VERTEX	.1749	.0112	.0110	.0650	.1100	.1303	.1317	.0638	.0409	.0542	.0447	.1122	.0981	.1450	.1412
180 TRAGION-TO-VERTEX	.1274	.0495	.0606	.0936	.1151	.1700	.1188	.0914	.0873	.1003	.0954	.1266	.1090	.1286	.1119

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
181 GLABELLA-TO-WALL	.2168	.1444	.1447	.1835	.1524	.2726	.2154	.2051	.1930	.1591	.1538	.2034	.1982	.2454	.2332
182 NASAL ROOT-TO-WALL	.2176	.1510	.1423	.1759	.1430	.2673	.2058	.2039	.1965	.1581	.1502	.2004	.1970	.2435	.2328
183 XTRNL CANTHUS-WALL	.1418	.1821	.1547	.1573	.0996	.2287	.1718	.1998	.2032	.1550	.1460	.1581	.1753	.1965	.1857
184 PRONASALE-TO-WALL	.2226	.2353	.1878	.2061	.1239	.2827	.2220	.2658	.2694	.2011	.1882	.2360	.2338	.2793	.2703
185 SUBNASALE-TO-WALL	.1946	.2345	.1842	.2083	.1335	.2719	.2124	.2685	.2679	.1912	.1839	.2238	.2121	.2536	.2444
186 LIP PROMIN"GE-WALL	.1822	.2589	.1988	.2179	.1530	.2854	.2293	.2862	.2881	.2070	.2013	.2327	.2177	.2513	.2405
187 CHIN PROMINCE-WALL	.1933	.3213	.2532	.2594	.1725	.3365	.2768	.3348	.3437	.2644	.2624	.2757	.2635	.3021	.2823
188 TRAGION-TO-WALL	.0526	.1374	.1081	.1056	.0704	.1346	.0907	.1439	.1486	.0906	.0932	.0973	.0957	.1200	.1165
189 GUESSED HEIGHT	.4704	.2095	.1625	.2247	.1900	.2314	.3350	.2869	.2634	.2410	.2019	.3784	.3459	.6155	.6249
190 GUESSED WEIGHT	.6318	.7224	.7140	.7750	.7366	.6761	.8034	.7795	.7980	.8185	.7801	.8876	.8554	.8209	.7656

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1 AGE	.1811	.0106	.2429	.1067	.1853	.0159	.2029	.0800	.0343	-.0066	.1372	.0488	.0529	.1176	.0146
2 WEIGHT	.4683	.3366	.6621	.5227	.5629	.3558	.7230	.5942	.6156	.5904	.4913	.5133	.6974	.6785	.6162
3 SKF SUBSCAP**R-LNGE	.2522	.0565	.3833	.1792	.2943	.0489	.4168	.2199	.3891	.2876	.3123	.2864	.3542	.3680	.3239
4 SKF TRICEPS-LANGE	.2206	.1214	.3417	.2247	.2766	.1289	.3831	.2725	.3713	.2948	.2713	.2802	.3658	.3569	.3502
5 SKF JUX**NIPPLE-LGE	.2773	.0577	.4198	.2142	.3400	.0879	.4426	.2450	.3735	.2681	.3273	.2867	.3567	.3912	.3332
6 SKF MAL XIPH**D-LGE	.2442	.0563	.3859	.1995	.2973	.0851	.4302	.2405	.4074	.3006	.3172	.2863	.3623	.3710	.3357
7 SKF SUPRAILAIAC-LGE	.2341	.0644	.3493	.1934	.2795	.0846	.4083	.2561	.4658	.3755	.3400	.3404	.4262	.4097	.4018
8 SKF SUPRAPATELLA-L	.2024	.1282	.3129	.2138	.2568	.1193	.3514	.2506	.3537	.2817	.2273	.2236	.3269	.3023	.3086
9 SKF SUBSCAP**R-HARP	.2640	.0475	.3869	.1710	.2988	.0478	.4124	.2094	.3848	.2823	.3395	.3121	.3342	.3688	.3022
10 SKF TRICEPS-HARP**N	.2588	.1294	.3646	.2233	.2965	.1203	.3955	.2590	.4089	.3266	.3077	.2955	.3715	.3592	.3531
11 SKF SUPRAILAIAC-HPN	.2336	.0713	.3414	.1933	.2725	.0875	.3989	.2600	.4566	.3655	.3389	.3395	.4148	.4054	.3952
12 GRIP STRENGTH	.1670	.1857	.2137	.2502	.1696	.1847	.2432	.2878	.1837	.2265	.1285	.1375	.2501	.2053	.1752
13 HEIGHT (STATURE)	.4003	.4532	.5283	.5868	.5196	.5281	.5504	.6021	.2808	.3376	.2517	.2799	.5490	.5320	.4646
14 CERVICALE HEIGHT	.3915	.4376	.5127	.5614	.5108	.5090	.5483	.5930	.2870	.3388	.2498	.2769	.5827	.5629	.4739
15 ACROMION HEIGHT	.4059	.4409	.5255	.5595	.5535	.5361	.5902	.6209	.3118	.3527	.2724	.2984	.5657	.5486	.5088
16 RADIALE HEIGHT	.4253	.4614	.5596	.5840	.5964	.5702	.6160	.6362	.3395	.3753	.2956	.3217	.5889	.5711	.5485
17 STYLION HEIGHT	.4124	.4574	.5331	.5616	.5844	.5626	.5956	.6140	.3294	.3619	.2789	.3040	.5620	.5386	.5509
18 DACTYLION HEIGHT	.3985	.4343	.5227	.5384	.5785	.5448	.5817	.5902	.3270	.3486	.2827	.3062	.5463	.5272	.5460
19 SUPRASTERNAL HEIGHT	.4213	.4420	.5807	.6171	.5405	.5181	.5819	.6074	.3132	.3543	.2849	.3063	.5566	.5450	.4634
20 NIPPLE HEIGHT	.3930	.4336	.5061	.5548	.5054	.5054	.5324	.5733	.2715	.3182	.2472	.2710	.4961	.4839	.4326
21 WAIST HT-OMPHALION	.3872	.4392	.3643	.4382	.3724	.4080	.3946	.4645	.2573	.3109	.2464	.2743	.4130	.3861	.3387
22 ILIOCRISTALE HT	.3310	.3481	.3905	.4218	.3689	.3581	.4288	.4667	.2575	.2959	.2274	.2500	.4381	.4266	.3500
23 BUTTOCK HEIGHT	.2759	.2897	.3235	.3467	.3281	.3130	.3630	.3911	.1899	.2170	.1702	.1884	.3565	.3611	.2808
24 TROCHANTERION HEIGHT	.2821	.3008	.3294	.3668	.3167	.3174	.3631	.4100	.1796	.2280	.1666	.1869	.3665	.3635	.2804
25 GLUTEAL FURROW HGT	.2582	.2742	.3106	.3430	.3114	.3078	.3444	.3835	.1335	.1709	.1277	.1448	.3212	.3265	.2435
26 GROUCH HEIGHT	.1937	.2814	.2411	.3244	.2447	.3012	.2874	.3696	.1320	.1918	.0805	.1082	.3071	.2720	.2328
27 PATELLA TOP HEIGHT	.2697	.2921	.3437	.3811	.3248	.3181	.3682	.4040	.2051	.2387	.1585	.1727	.3805	.3553	.2908
28 KNEE GIRC HEIGHT	.2753	.2942	.3404	.3766	.3277	.3257	.3732	.4157	.2132	.2487	.1713	.1864	.3900	.3642	.3037
29 FIBULAR HEIGHT	.2546	.2882	.3153	.3547	.3184	.3213	.3530	.4053	.1702	.2195	.1382	.1629	.3496	.3267	.2761
30 CALF HEIGHT	.2442	.2628	.2730	.2844	.2799	.2585	.3255	.3451	.1817	.2152	.1455	.1589	.3243	.3147	.2824
31 ANKLE HEIGHT	.2058	.1710	.2103	.1923	.1912	.1516	.1672	.1498	.1105	.1414	.1460	.1459	.1705	.2033	.1128
32 SITTING HEIGHT	.4627	.5420	.6279	.7230	.6326	.6751	.5235	.6978	.3058	.3667	.2997	.3346	.6203	.6102	.5568
33 EYE HEIGHT/SITTING	.4236	.5204	.6001	.7097	.6002	.6514	.5964	.6802	.2782	.3353	.2776	.3062	.5870	.5748	.5226
34 MIDSHOULDER HT/SIT	.4589	.5318	.6216	.6955	.6804	.7011	.6891	.7554	.3365	.3719	.3233	.3477	.6483	.6463	.6161
35 ACROMION H**GHT/SIT	.4368	.5033	.5947	.6610	.6655	.6835	.6773	.7426	.3265	.3519	.3170	.3426	.6116	.6119	.6090
36 ELBOW REST HGT/SIT	.3116	.3637	.4402	.4860	.5239	.5418	.4339	.5380	.2505	.2468	.2542	.2675	.4356	.4431	.4924
37 KNEE HEIGHT/SIT**G	.3089	.3190	.3982	.4188	.3690	.3462	.4359	.4602	.2843	.2939	.2014	.2270	.4339	.4437	.3408
38 POPLITEAL HGT/SIT	.2204	.2677	.2534	.3239	.2640	.3044	.2816	.3504	.0874	.1496	.0865	.1112	.2703	.2617	.1987
39 BUTTOCK-KNEE LENGTH	.3111	.2998	.4033	.3656	.3608	.2780	.4377	.4070	.3748	.4050	.2759	.3030	.4929	.4492	.4115
40 BUTTOCK-POPLITEAL	.2556	.2400	.3448	.3121	.3055	.2330	.3787	.3589	.3572	.3678	.2976	.3426	.4490	.4165	.3753
41 ACRM-BICEP CIR LVL	.1893	.1754	.2088	.2079	.1922	.1525	.2475	.2603	.1407	.1632	.1505	.1693	.2537	.2663	.2139
42 SHOULDER-ELBOW LTH	.2486	.2659	.3066	.3397	.2978	.2920	.3656	.4021	.1585	.1977	.1380	.1571	.3455	.3369	.2592
43 ACROMION-RADIALE L	.2313	.2369	.2796	.3040	.2797	.2725	.3522	.3841	.1511	.1718	.1356	.1458	.3236	.3194	.2556
44 ELBOW-WRIST LENGTH	.2297	.2542	.3041	.3324	.2773	.2760	.3327	.3661	.1667	.2099	.1138	.1423	.3252	.3012	.2403
45 RADIALE-STYLION LH	.2230	.2349	.2917	.3125	.2707	.2613	.3214	.3473	.1406	.1748	.1016	.1150	.2933	.2795	.2077

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 ELBOW-GRIP LENGTH	.2586	.2877	.3062	.3404	.3011	.3048	.3420	.3775	.1796	.2185	.1340	.1554	.3356	.3133	.2641
47 THUMB-TIP REACH	.2321	.2452	.3202	.3258	.2944	.2657	.3389	.3524	.1773	.2214	.1583	.1591	.3447	.3407	.2466
48 THUMB-TIP R"CH/XTD	.2211	.2484	.2817	.3104	.2571	.2577	.3063	.3319	.1537	.2028	.1268	.1345	.2954	.2817	.2149
49 SLEEVE INSEAM	.1853	.2052	.2319	.2808	.2119	.2357	.2494	.3044	.0764	.1316	.0795	.0959	.2370	.2376	.1423
50 BIACROMIAL BREADTH	.2570	.2341	.3262	.3067	.2528	.2016	.3171	.2833	.2594	.3015	.2190	.2283	.3190	.3010	.2190
51 BICEPTOID BREADTH	.3523	.2343	.4779	.3570	.3917	.2210	.5274	.4076	.4955	.4716	.4038	.4064	.4981	.4836	.4432
52 CHEST BREADTH	.3339	.1698	.4619	.3291	.3895	.2092	.5194	.3962	.4275	.3894	.3774	.3558	.4267	.4331	.3887
53 WAIST BROTH-OMPH" N	.3551	.1574	.5413	.3464	.4462	.1925	.5845	.4079	.5055	.4376	.4045	.3996	.5448	.5533	.4824
54 BICRISTALE BREADTH	.2164	.1323	.4126	.2829	.3520	.1696	.4548	.3290	.3399	.3094	.1925	.1914	.4342	.3977	.3658
55 HIP BREADTH	.3758	.3076	.5295	.4462	.4517	.3174	.5708	.4957	.5240	.5031	.4032	.4420	.5771	.5485	.5193
56 HIP BREADTH SIT" G	.3841	.2688	.5532	.4418	.4621	.2972	.6034	.4993	.5485	.5211	.4268	.4666	.5919	.5688	.5311
57 ELBOW BROTH BONE/R	.2568	.2846	.3521	.3667	.3033	.2813	.3687	.3817	.2313	.2760	.1792	.1900	.3448	.3208	.2698
58 ELBOW BROTH BONE/L	.2574	.2768	.3515	.3775	.2996	.2915	.3804	.4100	.2286	.2597	.1703	.1880	.3560	.3304	.2801
59 F"ARM-F"ARM BR"OTH	.2711	.1583	.3948	.2594	.3191	.1440	.4475	.3306	.4436	.4022	.3480	.3454	.4210	.4030	.3775
60 KNEE BR"OTH BONE/R	.3179	.3332	.4323	.4219	.3826	.3309	.4603	.4648	.3698	.4095	.2903	.3306	.4846	.4664	.4212
61 KNEE BR"OTH BONE/L	.3222	.3330	.4423	.4293	.3920	.3345	.4706	.4712	.3681	.4070	.2914	.3288	.4905	.4755	.4249
62 CHEST DEPTH	.3359	.1381	.4757	.3117	.3488	.1285	.5271	.3765	.4424	.3779	.3983	.3723	.4450	.4655	.3666
63 WAIST DEPTH-OMPH" N	.3350	.0523	.5362	.2632	.4368	.1069	.5568	.3093	.4410	.3430	.3506	.3224	.4621	.4851	.4131
64 BUTTOCK DEPTH	.3793	.2147	.5264	.3381	.4388	.1985	.5624	.3834	.5921	.5120	.4459	.4496	.5666	.5422	.5314
65 THIGH CLEARANCE HT	.2792	.2071	.4165	.3082	.3442	.1936	.4840	.3871	.5446	.5044	.3822	.4203	.5337	.4898	.4940
66 NECK CIRC -MAXIMUM	.3404	.1929	.4500	.2967	.3930	.1941	.5020	.3690	.4099	.3809	.3497	.3386	.4495	.4584	.3978
67 SHOULDER CIRCUM"CE	.3659	.2309	.4968	.3744	.3974	.2230	.5652	.4544	.4888	.4560	.4085	.4094	.5085	.4995	.4426
68 CHEST CIRC AT SCYE	.3748	.1779	.4867	.3229	.3849	.1589	.5388	.3907	.4776	.4277	.4453	.4338	.4505	.4798	.3937
69 CHEST CIRCUM"ENCE	.3646	.1511	.5060	.3262	.3987	.1648	.5635	.4020	.4859	.4300	.4406	.4195	.4675	.4890	.4079
70 WAIST CIRC-OMPHAL" N	.3466	.1070	.5619	.3271	.4531	.1576	.6066	.3942	.5060	.4180	.3996	.3863	.5460	.5597	.4828
71 WAIST CIRC-OMPH/SIT	.3460	.0655	.5414	.2731	.4355	.1090	.5778	.3342	.4887	.3999	.4000	.3817	.5066	.5265	.4532
72 BUTTOCK CIRCUM"CE	.4178	.3053	.5927	.4517	.4975	.2983	.6419	.5112	.6262	.5928	.4769	.5159	.6554	.6256	.5968
73 BUTTOCK CIRCUM/SIT	.3827	.2592	.5821	.4401	.4817	.2794	.6357	.5007	.5701	.5283	.4246	.4410	.6148	.5840	.5522
74 VERTICAL TRUNK CIRC	.5749	.4869	.7718	.6713	.7464	.5715	.8314	.7252	.5845	.5794	.5079	.5252	.7729	.7581	.7225
75 VERT TRUNK CIRC/SIT	.5434	.5045	.7313	.6958	.7194	.6152	.7876	.7463	.5373	.5422	.4696	.4958	.7458	.7343	.6951
76 SCROTAL-ANT WAIST	.5074	.7759	.4841	.4841	.7670	.4026	.7365	.4698	.1670	.1270	.4368	.4413	.2480	.4407	.1943
77 SCROTAL-A WAIST/S	.5074	.4069	.4069	.6398	.4436	.6527	.4243	.5948	.3366	.3692	.1342	.1750	.4116	.2491	.3940
78 SCRTL-SUPRSTERNLE	.7759	.4069	.7153	.6313	.8851	.5140	.9163	.6456	.2842	.2455	.4223	.4201	.4834	.6332	.3934
79 SCRTL-SUPRSTERNLE/S	.4841	.6398	.7153	.6313	.8851	.8507	.6783	.8854	.3582	.3652	.2856	.3024	.5559	.4637	.4824
80 SCRTL-ANT SCYE LVL	.7670	.4436	.8851	.6313	.8507	.6589	.5560	.8799	.6347	.2142	.1881	.3598	.3668	.4385	.5811
81 SCRTL-ANT SCYE L/S	.4026	.6527	.5140	.8507	.6589	.6589	.5560	.8799	.6347	.2142	.1881	.3598	.3668	.4385	.5811
82 SCRTL-A MIDSHOULDR	.7365	.4243	.9163	.6783	.8799	.8507	.6783	.8854	.3582	.3652	.2856	.3024	.5559	.4637	.4824
83 SCRTL-A MSHOULDR/S	.4698	.5948	.6456	.8854	.6347	.8314	.7516	.7516	.3809	.3706	.3067	.3293	.5939	.5126	.5508
84 SCROTAL-PST WAIST	.1670	.3366	.2842	.3582	.2142	.2613	.3284	.3809	.3706	.3067	.3293	.5939	.5126	.5508	.5508
85 SCRTL-WAIST OVR BK	.1270	.3692	.2455	.3652	.1881	.2809	.2842	.3809	.3706	.3067	.3293	.5939	.5126	.5508	.5508
86 SCROTAL-P WAIST/S	.4368	.1342	.4223	.2856	.3598	.1883	.4150	.3067	.5762	.5098	.5098	.5553	.7461	.4816	.7340
87 SCRTL-WAIST/BUIT/S	.4413	.1750	.4201	.3024	.3668	.2153	.4226	.3293	.5883	.5553	.9291	.9291	.4680	.6952	.4465
88 SCROTAL-CEVICALE	.2480	.4116	.4834	.5559	.4385	.4675	.5383	.5939	.8039	.7461	.4484	.4680	.7648	.7648	.9103
89 SCROTAL-CEVICLE/S	.4407	.2491	.6332	.4637	.5811	.3549	.6528	.5126	.5205	.4816	.7254	.6952	.7648	.7648	.9103
90 SCRTL-PST SCYE LVL	.1943	.3940	.3934	.4824	.4095	.4657	.4802	.5508	.8087	.7340	.4246	.4465	.9103	.9103	.6636

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91 SCRTL-PST SCYE L/S	.4048	.2011	.5594	.3597	.5670	.3170	.6051	.4370	.4896	.4407	.7222	.6885	.6561	.9124	.7053
92 SCRTL-P MIDSHOULDR	.2990	.4222	.5132	.5424	.4769	.4578	.5576	.5743	.8182	.7551	.4866	.5051	.9286	.7313	.9011
93 SCRTL-MOSHLD OVR B	.2486	.4435	.4604	.4408	.4404	.4762	.5066	.5631	.7451	.8305	.4422	.4773	.8798	.6859	.8451
94 SCRTL-P MDHSHLD/S	.4731	.2527	.6468	.4326	.6053	.3279	.6595	.4759	.5369	.4900	.7225	.6920	.7066	.9314	.6583
95 SCRTL-MOSHLD O B/S	.4794	.2984	.5423	.4758	.6130	.3876	.6317	.5257	.5341	.5021	.6879	.7217	.7127	.9015	.6643
96 UPPER THIGH CIRCUM	.3587	.2321	.4931	.3476	.4159	.2167	.5422	.4066	.6130	.5774	.4561	.5035	.5728	.5395	.5360
97 UPPER THIGH C/SIT	.3594	.2418	.5058	.3558	.4202	.2249	.5577	.4256	.6020	.5672	.4450	.4894	.5775	.5460	.5332
98 KNEE CIRCUMFERENCE	.3797	.3090	.5347	.4357	.4510	.2349	.5815	.4423	.5478	.5478	.4403	.4446	.6076	.5707	.5278
99 KNEE CIRCUMFERENCE	.3913	.3112	.5308	.4261	.4500	.2881	.5846	.4932	.5294	.5328	.4141	.4476	.5867	.5689	.5148
100 CALF CIRCUMF/RIGHT	.2973	.2102	.4157	.3195	.3389	.1978	.4875	.3811	.4739	.4774	.3779	.4124	.4697	.4438	.4141
101 CALF CIRCUMF/LEFT	.3045	.2286	.4229	.3285	.3424	.2039	.4723	.3887	.4791	.4844	.3820	.4180	.4749	.4539	.4199
102 ANKLE CIRCUMF/ENCE	.3141	.2830	.4067	.3454	.3521	.2489	.4480	.3929	.4210	.4488	.3326	.3654	.4619	.4396	.4091
103 SCYE CIRCUMFERENCE	.3412	.2378	.4771	.3711	.3712	.2092	.5356	.4423	.4456	.4306	.3763	.3819	.4996	.5015	.3999
104 BICEPS C-EXTEND/RT	.3159	.1761	.4507	.3042	.3548	.1611	.5015	.3674	.5082	.4727	.3951	.4082	.4754	.4581	.4186
105 BICEPS C-EXTEND/LT	.3097	.1734	.4435	.3009	.3389	.1493	.4366	.3647	.5064	.4686	.3822	.3957	.4729	.4504	.4170
106 BICEPS C-FLEXED/RT	.2863	.1806	.4172	.3038	.3149	.1573	.4755	.3755	.4818	.4652	.3593	.3810	.4701	.4399	.3994
107 BICEPS C-FLEXED/LT	.2874	.1820	.4262	.3106	.3211	.1620	.4845	.3794	.4860	.4648	.3416	.3648	.4740	.4350	.4074
108 ELBOW CIRC-EXTENDED	.3341	.2663	.4856	.3968	.4001	.2589	.5351	.4616	.4819	.4800	.3631	.3861	.5435	.5142	.4687
109 ELBOW CIRC-FLEXED	.2848	.2542	.3682	.3121	.3128	.2137	.4124	.3588	.3431	.3635	.2764	.3023	.3970	.3912	.3258
110 LOWER ARM C-EXTEND	.3377	.2515	.4789	.3735	.3316	.2329	.5261	.4378	.4835	.4819	.3813	.4028	.5245	.5054	.4493
111 LOWER ARM C-FLEXED	.3048	.2413	.4202	.3410	.3445	.2185	.4737	.4057	.4030	.4200	.3337	.3521	.4495	.4444	.3799
112 WRIST CIRCUMF/ENCE	.2954	.2641	.4177	.3855	.3555	.2835	.4479	.4194	.3199	.3253	.2517	.2480	.4148	.4122	.3391
113 SLVE L/SPINE-SCYE	.2838	.1898	.3606	.2891	.3005	.1903	.4029	.3397	.2871	.2711	.3075	.2933	.3188	.3542	.2795
114 SLVE L/SPINE-ELBOW	.3134	.2792	.4019	.3978	.3424	.2921	.4447	.4423	.2756	.3080	.2502	.2652	.4239	.4136	.3137
115 SLVE L/SPINE-WRIST	.3153	.3107	.4132	.4262	.3598	.3282	.4583	.4747	.2665	.3034	.2329	.2518	.4377	.4273	.3217
116 ANTERIOR NECK LGTH	.0759	.1196	.1928	.0394	.0516	.1350	.1073	.0539	.1324	.0452	.1347	.0912	.0005	.0283	.0403
117 POSTERIOR NECK LTH	.0137	.0720	.0621	.1345	.0474	.1136	.0458	.1103	.0401	.0232	.0031	.0049	.0435	.0292	.0228
118 SHOULDER LENGTH	.1618	.1842	.1849	.2278	.1658	.1952	.1851	.2146	.1717	.2044	.1366	.1415	.2625	.2210	.1265
119 DELTOID ARC	.1636	.1721	.2150	.2410	.2022	.2007	.2745	.3076	.1534	.1576	.1409	.1593	.2826	.2921	.2832
120 INTERSCYE	.2021	.1036	.2238	.0850	.1651	.0022	.1867	.0773	.2536	.2410	.2309	.2219	.1952	.2223	.1704
121 INTERSCYE MAXIMUM	.3317	.2306	.4795	.4032	.3763	.2473	.5082	.4411	.3854	.3797	.3223	.3233	.4891	.4761	.3615
122 WAIST FRONT-OMPH"N	.2486	.1306	.7423	.6213	.5749	.3768	.6566	.5297	.2760	.2486	.2176	.2052	.5210	.5530	.4305
123 CROTCH LGTH-OMPH"N	.6278	.4885	.6066	.4852	.5591	.3753	.6251	.4958	.6761	.6565	.6191	.6407	.5819	.5783	
124 WAIST BACK-OMPHL"N	.2182	.2832	.4869	.5073	.4937	.4738	.5198	.5402	.1226	.1575	.0508	.0646	.6517	.6393	.5070
125 FOOT LENGTH	.2645	.3172	.3411	.3602	.3186	.3085	.3734	.3995	.2375	.2941	.1822	.2080	.4060	.3808	.3234
126 INSTEP LENGTH	.2312	.2551	.3327	.3287	.3016	.2736	.3553	.3555	.2200	.2654	.1604	.1890	.3773	.3552	.2826
127 FOOT BREADTH	.2609	.2741	.3224	.3358	.2869	.2786	.3485	.3587	.2320	.2719	.1726	.2105	.3344	.3086	.2712
128 BALL-OF-FOOT CIRC	.2910	.3132	.3635	.3532	.3251	.2822	.3835	.3711	.3154	.2703	.2369	.2636	.3850	.3580	.3246
129 INSTEP CIRCUMF"NCE	.3376	.2959	.4123	.3494	.3776	.2725	.4381	.3798	.3364	.3783	.2960	.3218	.4031	.4133	.3370
130 HEEL CIRCUMFERENCE	.3606	.3554	.4562	.4414	.4126	.3481	.4890	.4783	.3725	.4233	.2973	.3252	.5055	.4802	.4199
131 BI-MALLEOLAR BROTH	.3081	.3122	.3840	.3657	.3463	.2914	.3726	.3562	.2691	.3319	.2302	.2517	.3432	.2959	
132 LAT"L MALLEOLUS HT	.2353	.2302	.2627	.2370	.2527	.2021	.2688	.2508	.1980	.2261	.1664	.1853	.2806	.2769	.2593
133 MED"L MALLEOLUS HT	.2182	.2773	.2779	.3302	.2754	.2875	.2780	.3163	.2376	.2316	.1667	.1853	.3042	.2851	.2605
134 HAND LENGTH	.2478	.3004	.3055	.3403	.2898	.2977	.3260	.3584	.1779	.2411	.1387	.1647	.3257	.3074	.2564
135 PALM LENGTH	.2097	.2413	.2511	.2711	.2470	.2443	.2696	.2862	.1563	.2020	.1384	.1573	.2710	.2645	.2159

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
136 HAND BR/METACARPLE	.2117	.2726	.3124	.3561	.2706	.2864	.3550	.3909	.2381	.2827	.1587	.1764	.3405	.2954	.2686
137 HAND BRTH AT THUMB	.2611	.2819	.3305	.3461	.3025	.2862	.3558	.3673	.2276	.2812	.1810	.1895	.3265	.3021	.2573
138 HAND C/METACARPALE	.2720	.2847	.3587	.3493	.3134	.2676	.3868	.3765	.2751	.3170	.2128	.2302	.3690	.3467	.2898
139 HAND C ROUND THUMB	.3231	.2973	.4195	.3879	.3622	.2889	.4411	.4136	.3229	.3663	.2693	.2846	.4212	.4025	.3253
140 HAND THICK/MET-A-3	.1419	.1527	.2045	.2100	.1881	.1711	.2374	.2481	.1148	.1325	.0973	.0970	.1983	.1928	.1582
141 HEAD CIRCUMFERENCE	.2270	.1888	.2862	.2588	.2510	.2003	.3045	.2790	.2430	.2547	.2052	.2082	.2892	.2784	.2595
142 SAGITTAL ARC/INION	.0419	.0931	.0716	.1171	.0662	.1086	.0993	.1404	.0469	.0822	.0408	.0371	.0689	.0609	.0921
143 MINIMUM FRONTAL ARC	.1002	.0682	.1117	.0669	.0544	.0014	.1170	.0817	.1054	.1162	.0707	.0780	.1290	.1276	.1308
144 BITRAGON-CORONAL	.1657	.1283	.2161	.1903	.1983	.1571	.2397	.2169	.1807	.1909	.1456	.1592	.2567	.2406	.2277
145 BITRAGN-MIN FRNTAL	.2102	.1761	.2475	.2222	.2129	.1704	.2834	.2670	.1878	.1980	.1647	.1730	.2648	.2584	.2280
146 BITRAGN-SUBNASALE	.2319	.1880	.3030	.2452	.2461	.1550	.3269	.2742	.2887	.2901	.2345	.2525	.3158	.3033	.2803
147 BITRAGON-MENTON	.2918	.2370	.3867	.3204	.3299	.2222	.4168	.3554	.3208	.3179	.2757	.2786	.3825	.3784	.3324
148 BIT-SUBMANDIBULAR	.3204	.1986	.4447	.3226	.3615	.1311	.4410	.3191	.3522	.3352	.3232	.3173	.4022	.4134	.3371
149 BITRAG-N-POSTERIOR	.1629	.1073	.2138	.1685	.1856	.1206	.2210	.1741	.2063	.2036	.1350	.1422	.2507	.2188	.1964
150 HEAD LENGTH	.1581	.1602	.1924	.2017	.1704	.1534	.2027	.2113	.1573	.1726	.1248	.1258	.1975	.1780	.1732
151 HEAD DIAGNL/MENTON	.1983	.2352	.2717	.2857	.2492	.2386	.3040	.3145	.2187	.2511	.1439	.1514	.3064	.2633	.2670
152 HD DIAG/INION-NOSE	.1549	.1502	.1807	.1750	.1613	.1367	.1892	.1828	.1459	.1531	.0931	.0856	.1813	.1542	.1510
153 EAR BREADTH	.1650	.0801	.1774	.1226	.1732	.0962	.1593	.1121	.1087	.1071	.1452	.1349	.1412	.1697	.1239
154 EAR LENGTH	.2339	.1134	.3062	.2351	.2699	.1620	.3101	.2447	.1312	.1177	.1914	.1615	.2163	.2627	.1661
155 EAR L ABOVE TRAGION	.0959	.0417	.0853	.0680	.0922	.0554	.1149	.1001	.0121	.0000	.0683	.0499	.0455	.0898	.0576
156 HEAD BREADTH	.1578	.0883	.1962	.1322	.1766	.0993	.2169	.1622	.1663	.1715	.1463	.1478	.1979	.2062	.1758
157 MAXIMUM FRONTAL BR	.1312	.1239	.1798	.1718	.1570	.1371	.2359	.2330	.1483	.1569	.0958	.1072	.1982	.1861	.1861
158 BITRAGON BREADTH	.2461	.1438	.2907	.1852	.2629	.1286	.2994	.2023	.2203	.2135	.1997	.1917	.2434	.2604	.2241
159 BIZYGOMATIC BR"DTH	.2410	.1597	.3126	.2243	.2693	.1499	.3389	.2579	.2546	.2448	.2154	.2072	.2966	.2992	.2545
160 BIGONIAL BREADTH	.1720	.0987	.2774	.2137	.2078	.1201	.3323	.2803	.2360	.1919	.1772	.1502	.2871	.2675	.2508
161 EAR-TO-EAR BREADTH	.1845	.1332	.2329	.1821	.2213	.1466	.2272	.1760	.1387	.1439	.1351	.1303	.2073	.2339	.1699
162 BIOCLAR BREADTH	.0735	.0752	.0920	.0850	.0741	.0645	.1303	.1306	.0956	.0937	.0795	.0867	.1153	.1151	.1073
163 INTERPUPILLARY BRO	.1101	.0746	.1123	.0953	.0971	.0732	.1488	.1392	.0834	.0782	.0676	.0727	.1176	.1200	.1029
164 INTEROCULAR BR"DTH	.0786	.0296	.0611	.0379	.0514	.0262	.0691	.0526	.0815	.0835	.0627	.0743	.0698	.0700	.0615
165 NOSE BREADTH	.1228	.0488	.1415	.0671	.1009	.0146	.1228	.0470	.1019	.1095	.0959	.0842	.0730	.0792	.0606
166 LIP LENGTH	.1161	.0879	.1411	.1278	.1052	.0803	.1587	.1446	.0847	.0814	.0596	.0416	.1191	.1033	.0911
167 EAR PROTRUSION	.1094	.0614	.1304	.0974	.1116	.0601	.0970	.0570	.0678	.0635	.0765	.0719	.0875	.0939	.0642
168 SUBNASALE-NASAL RT	.1408	.1095	.1521	.1348	.1506	.1256	.1285	.1138	.0384	.0690	.0922	.0910	.0827	.1170	.0643
169 PHILTRUM LENGTH	.1151	.0689	.1525	.1064	.1235	.0506	.1251	.0818	.0528	.0777	.1040	.0807	.0692	.1058	.0394
170 LIP-TO-LIP LENGTH	.0786	.0093	.1107	.0583	.0864	.0256	.0897	.0505	.0095	.0067	.0515	.0129	.0199	.0394	.0208
171 MENTON-SUBNASALE L	.0866	.1081	.1150	.0936	.0855	.0416	.1132	.0904	.0779	.1271	.0712	.0893	.1260	.1383	.0927
172 MENTON-NASAL ROOT	.1651	.1647	.1963	.1674	.1753	.1246	.1912	.1642	.1052	.1575	.1292	.1368	.1751	.2046	.1330
173 LABELLA-TO-VERTEX	.0257	.0204	.0326	.0338	.0434	.0321	.0935	.0803	.0064	.0036	.0155	.0007	.0355	.0115	.0847
174 NASAL ROOT-TO-VRTX	.0225	.0433	.0251	.0828	.0143	.0741	.0584	.1205	.0406	.0333	.0186	.0348	.0789	.0529	.1108
175 XTRNL CANTHUS-VRTX	.0480	.0613	.0567	.1052	.0433	.0971	.0850	.1415	.0567	.0535	.0399	.0530	.1037	.0868	.1229
176 PRONASALE-TO-VRTX	.0361	.0539	.0443	.0993	.0322	.0894	.0684	.1303	.0154	.0204	.0150	.0275	.0705	.0557	.0914
177 SUBNASALE-TO-VRTX	.0420	.0749	.0623	.1309	.0499	.1180	.0921	.1640	.0359	.0455	.0210	.0353	.1034	.0793	.1203
178 STOMION-TO-VRTEX	.0706	.0956	.0869	.1521	.0672	.1298	.1034	.1778	.0457	.0608	.0458	.0600	.1173	.1022	.1214
179 MENTON-TO-VRTEX	.0977	.1271	.1268	.1679	.1011	.1332	.1504	.1950	.0784	.1022	.0739	.0879	.1527	.1464	.1527
180 TRAGION-TO-VERTEX	.1026	.0902	.1104	.1008	.1017	.0953	.1241	.1231	.0898	.0919	.0721	.0820	.1282	.1239	.1323

TABLE V (continued)

		CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967														
		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
181	GLABELLA-TO-WALL	.1565	.1526	.1856	.2005	.1658	.1661	.2024	.2171	.1665	.1849	.1277	.1305	.2168	.1943	.1930
182	NASAL ROOT-TO-WALL	.1559	.1526	.1879	.2018	.1679	.1659	.1998	.2134	.1654	.1847	.1346	.1364	.2164	.1996	.1881
183	XTRNL CANTHUS-WALL	.1330	.1161	.1573	.1447	.1403	.1139	.1575	.1472	.1410	.1511	.1263	.1077	.1734	.1661	.1444
184	PRONASALE-TO-WALL	.1695	.1706	.2181	.1998	.2000	.1533	.2225	.2038	.1752	.1974	.1489	.1433	.2291	.2231	.1793
185	SUBNASALE-TO-WALL	.1466	.1515	.1876	.1633	.1736	.1304	.1903	.1604	.1709	.1937	.1385	.1385	.2071	.1986	.1634
186	LIP PROMIN"CE-WALL	.1487	.1404	.1902	.1499	.1763	.1189	.1933	.1514	.1751	.1938	.1431	.1413	.2026	.1992	.1582
187	CHIN PROMINCE-WALL	.1776	.1485	.2245	.1637	.2192	.1391	.2383	.1768	.1913	.1974	.1642	.1539	.2236	.2269	.1798
188	TRAGION-TO-WALL	.0813	.0701	.0907	.0643	.0904	.0548	.0805	.0502	.0946	.1013	.0741	.0595	.1047	.1009	.0782
189	GUESSED HEIGHT	.3902	.4347	.5044	.5568	.5010	.5041	.5313	.5795	.2870	.3381	.2495	.2800	.5348	.5140	.4537
190	GUESSED WEIGHT	.4603	.3457	.6263	.5355	.5645	.3767	.7180	.6071	.5972	.5796	.4754	.4974	.7008	.6762	.6146

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

1	AGE	.0836	.0723	.0417	.1257	.0858	-.0251	-.0014	.0710	.0789	.100	.101	.102	.103	.104	.105
2	WEIGHT	.5976	.7470	.7040	.7206	.7124	.8598	.8820	.8479	.8547	.7783	.7855	.6936	.7410	.7977	.8068
3	SKF SUBSCAP"R-LNGE	.3437	.3849	.3000	.4043	.3489	.5474	.5515	.4265	.4358	.3957	.3942	.2857	.4402	.5242	.5411
4	SKF TRICEPS-LNGE	.3330	.3561	.2963	.3524	.3308	.5580	.5754	.4636	.4592	.3820	.3845	.2927	.3690	.5036	.5278
5	SKF JUX"NIPLLE-LGE	.3683	.3899	.2977	.4214	.3776	.5714	.5835	.4691	.4781	.4037	.4048	.2964	.4108	.5315	.5492
6	SKF MAL XIPH"D-LGE	.3468	.3920	.3005	.4089	.3625	.6119	.6173	.4732	.4858	.4191	.4186	.3036	.4581	.5791	.6019
7	SKF SUPRAILIAC-LGE	.3885	.4376	.3608	.4335	.4000	.6789	.6830	.5211	.5152	.4671	.4704	.3449	.4581	.5848	.6083
8	SKF SUPRAPATELLA-L	.2812	.3446	.2734	.3167	.2940	.5467	.5584	.5088	.5127	.4654	.4605	.3715	.3363	.5029	.5187
9	SKF SUBSCAP"R-HARP	.3440	.3784	.2930	.4137	.3618	.5504	.5647	.4373	.4454	.4013	.3997	.2925	.4400	.5353	.5559
10	SKF TRICEPS-HARP"R	.3315	.3854	.3186	.3781	.3524	.5901	.5954	.4801	.4731	.3987	.3957	.3129	.3954	.5322	.5548
11	SKF SUPRAILIAC-HPN	.3864	.4253	.3487	.4247	.3939	.6518	.6546	.5088	.4976	.4491	.4527	.3332	.4482	.5751	.5964
12	GRIP STRENGTH	.1363	.2543	.2798	.2072	.2151	.2353	.2513	.3225	.3076	.3025	.3075	.3255	.3156	.3259	.3086
13	HEIGHT (STATURE)	.4415	.5302	.5578	.5059	.5373	.2246	.2492	.4205	.4395	.2402	.2587	.3219	.3580	.1457	.1447
14	CERVICALE HEIGHT	.4489	.5399	.5638	.5171	.5464	.2358	.2645	.4336	.4518	.2377	.2555	.3142	.3690	.1567	.1579
15	ACROMION HEIGHT	.4871	.5644	.5835	.5417	.5704	.2745	.3000	.4499	.4719	.2560	.2756	.3309	.3829	.1875	.1861
16	RADIALE HEIGHT	.5277	.5959	.6135	.5721	.5999	.3082	.3306	.4627	.4822	.2709	.2921	.3491	.3688	.2203	.2172
17	STYLION HEIGHT	.5244	.5752	.5908	.5459	.5690	.2837	.3043	.4239	.4440	.2432	.2623	.3385	.3301	.2087	.2127
18	DACTYLION HEIGHT	.5249	.5618	.5695	.5348	.5541	.2884	.3018	.3917	.4144	.2278	.2470	.2973	.2948	.2013	.2083
19	SUPRASTERNALE HGHT	.4484	.5413	.5572	.5251	.5500	.2586	.2941	.4514	.4708	.2631	.2825	.3290	.3888	.1876	.1859
20	NIPLLE HEIGHT	.4166	.4823	.5062	.4661	.4965	.2100	.2322	.3865	.4108	.2065	.2275	.2818	.3208	.1208	.1212
21	WAIST HT-OMPHALION	.3054	.4040	.4335	.3756	.4092	.1595	.1811	.3433	.3764	.1745	.1935	.2537	.2954	.0812	.0828
22	ILIOCRISTALE HT	.3359	.4246	.4383	.4462	.4395	.2422	.2717	.4112	.4435	.2248	.2448	.2832	.3535	.1452	.1558
23	BUTTOCK HEIGHT	.2876	.3554	.3606	.3620	.3829	.1952	.2266	.3501	.3903	.1795	.1959	.2325	.3100	.1090	.1218
24	TROCHANTERION HGHT	.2778	.3494	.3712	.3498	.3760	.1520	.1828	.3406	.3763	.1518	.1734	.2202	.3003	.0726	.0835
25	GLUTEAL FURROW HGHT	.2500	.3106	.3217	.3208	.3412	.1442	.1770	.3050	.3495	.1481	.1669	.1945	.2793	.0730	.0809
26	CROTCH HEIGHT	.1958	.2856	.3212	.2593	.2868	.1105	.1435	.2994	.3261	.1214	.1386	.1947	.2420	.0228	.0343
27	PATELLA TOP HEIGHT	.2665	.3741	.3824	.3557	.3754	.1842	.2094	.3836	.4073	.2043	.2227	.2630	.3207	.1248	.1290
28	KNEE CIRC HEIGHT	.2779	.3744	.3866	.3578	.3781	.1937	.2192	.3912	.4103	.2090	.2281	.2694	.3202	.1220	.1320
29	FIBULAR HEIGHT	.2504	.3313	.3511	.3167	.3436	.1629	.1972	.3416	.3748	.1909	.2062	.2477	.2909	.0969	.1045
30	CALF HEIGHT	.2758	.3190	.3325	.3183	.3317	.1954	.2253	.3421	.3751	.1148	.1422	.1640	.2710	.1012	.1212
31	ANKLE HEIGHT	.1484	.2290	.2412	.2512	.2616	.0649	.0705	.1793	.2136	.0450	.0477	.1037	.1766	.0197	.0311
32	SITTING HEIGHT	.5361	.5938	.6256	.5615	.6000	.2376	.2478	.3890	.3708	.2473	.2626	.3314	.3195	.1846	.1740
33	EYE HEIGHT/SITTING	.5000	.5545	.5865	.5214	.5602	.1937	.2118	.3570	.3364	.2175	.2301	.2959	.2837	.1595	.1478
34	MIDSHOULDER HT/SIT	.6040	.6396	.6617	.6260	.6640	.2974	.3159	.4237	.4137	.2719	.2851	.3424	.3614	.2446	.2354
35	ACROMION H"GMT/SIT	.6002	.6088	.6254	.5952	.6326	.2964	.3128	.4081	.3981	.2586	.2723	.3222	.3425	.2420	.2293
36	ELBOW REST HGT/SIT	.4942	.4443	.4495	.4374	.4592	.2280	.2307	.4241	.4284	.2158	.1709	.2097	.1470	.2120	.1927
37	KNEE HEIGHT/SITTING	.3211	.4223	.4382	.4083	.4347	.2767	.3078	.4753	.4948	.2999	.3167	.3430	.3775	.1969	.2022
38	POPLITEAL HGHT/SIT	.1897	.2518	.2857	.2481	.2811	.0389	.0578	.2078	.2312	.0855	.1031	.1635	.2046	.0168	.0132
39	BUTTOCK-KNEE LGHT	.3638	.5132	.5039	.4669	.4792	.4567	.4746	.5350	.5742	.3736	.3902	.3729	.4476	.3235	.3357
40	BUTTOCK-POPLITEAL	.3385	.4549	.4417	.4200	.4322	.4175	.4311	.4668	.4839	.3253	.3382	.3065	.3899	.2850	.3012
41	ACRM-BICEP CIR LVL	.2157	.2652	.2713	.2649	.2824	.1371	.1478	.2395	.2497	.1526	.1878	.2406	.2406	.0112	.0492
42	SHOULDER-ELBOW LTH	.2424	.3336	.3474	.3178	.3450	.1414	.1658	.3130	.3346	.1625	.1787	.2090	.3393	.0855	.0885
43	ACROMION-RADIALE L	.2436	.3126	.3151	.3029	.3241	.1417	.1703	.2914	.3182	.1556	.1684	.1860	.3266	.0888	.0905
44	ELBOW-WRIST LENGTH	.2129	.3232	.3403	.2998	.3279	.1806	.2098	.3328	.3514	.2010	.2131	.2332	.3135	.1510	.1334
45	RADIALE-STYLION LH	.1921	.2897	.3047	.2765	.2994	.1735	.2029	.3183	.3463	.1997	.2065	.2252	.2875	.1353	.1270

TABLE V (continued)

		CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967																	
		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105			
46	ELBOW-GRIP LENGTH	.2393	.3411	.3571	.3179	.3446	.1592	.2009	.3398	.3565	.1905	.1992	.2472	.3083	.1406	.1240			
47	THUMB-TIP REACH	.2407	.3417	.3566	.3394	.3496	.1764	.2054	.3355	.3532	.1938	.2007	.2189	.3178	.1458	.1390			
48	THUMB-TIP R"CH/XTD	.1972	.2978	.3259	.2866	.3028	.1599	.1845	.3004	.3163	.1856	.1931	.2137	.2913	.1354	.1345			
49	SLEEVE INSEAM	.1370	.2101	.2393	.2137	.2414	.0518	.0709	.2138	.2360	.0801	.0959	.1149	.2106	.0295	.0187			
50	BIACROMIAL BREADTH	.1990	.3495	.3589	.3330	.3289	.3070	.3133	.3617	.3619	.3358	.3311	.3160	.3421	.3068	.3106			
51	BIDELTOID BREADTH	.4299	.5672	.5268	.5452	.5202	.6349	.7056	.6288	.6378	.6187	.6131	.5144	.6121	.7160	.7324			
52	CHEST BREADTH	.3956	.5058	.4588	.5027	.4742	.6382	.6503	.5731	.5962	.5558	.5479	.4642	.5681	.6597	.6654			
53	WAIST BROTH-OMPH"N	.4928	.5976	.5234	.6061	.5826	.7744	.7931	.7084	.7193	.6080	.6080	.5206	.6252	.6975	.7114			
54	BICRISTALE BREADTH	.3308	.4568	.4135	.4305	.4161	.5224	.5569	.5658	.5551	.4351	.4371	.4103	.4558	.4872	.4951			
55	HIP BREADTH	.4847	.6073	.5758	.5695	.5859	.7667	.7755	.7507	.7381	.6215	.6221	.5733	.5781	.6248	.6368			
56	HIP BREADTH SITTING	.4995	.6220	.5841	.5894	.6022	.8307	.8473	.7824	.7731	.6728	.6758	.5858	.6040	.6821	.6936			
57	ELBOW BROTH BONE/R	.2411	.3563	.3738	.3317	.3405	.2589	.2875	.4407	.4349	.3165	.3204	.3734	.3784	.3402	.3281			
58	ELBOW BROTH BONE/L	.2514	.3577	.3663	.3318	.3451	.2743	.2909	.4541	.4463	.3328	.3387	.3892	.3786	.3486	.3540			
59	F"ARM-F"ARM BR"OTH	.3698	.4797	.4359	.4553	.4246	.6285	.6446	.5670	.5715	.5481	.5433	.4442	.5546	.6774	.6871			
60	KNEE BR"OTH BONE/R	.3961	.5036	.5150	.4678	.4921	.4898	.5014	.7288	.6817	.5649	.5568	.6132	.4617	.4554	.4449			
61	KNEE BR"OTH BONE/L	.4038	.5064	.5179	.4739	.4957	.4865	.4948	.7253	.6763	.5550	.5582	.6062	.4655	.4481	.4401			
62	CHEST DEPTH	.3944	.4857	.4224	.4936	.4610	.6508	.6837	.6041	.6307	.5700	.5716	.4546	.5942	.6900	.6890			
63	WAIST DEPTH-OMPH"N	.4460	.5095	.4146	.5367	.4871	.6750	.5923	.6014	.6080	.5350	.5342	.4304	.5554	.6300	.6498			
64	BUTTOCK DEPTH	.5099	.6199	.5413	.5954	.5734	.7988	.8070	.6846	.6974	.6287	.6338	.5230	.5866	.7003	.7154			
65	THIGH CLEARANCE HT	.4533	.5664	.5195	.5218	.5186	.8332	.8393	.6806	.6840	.6749	.6782	.5368	.5688	.7189	.7295			
66	NECK CIRC -MAXIMUM	.4172	.5165	.4754	.5235	.4932	.5634	.5859	.5430	.5543	.5133	.5128	.4539	.5954	.6529	.6564			
67	SHOULDER CIRCUM"CE	.4365	.5686	.5192	.5532	.5343	.7154	.7319	.6512	.6573	.6440	.6416	.5302	.6596	.7536	.7683			
68	CHEST CIRC AT SCYE	.4286	.5453	.4876	.5599	.5341	.7128	.7297	.6227	.6541	.6254	.6234	.5142	.6519	.7492	.7540			
69	CHEST CIRCUMF"ENCE	.4330	.5482	.4886	.5579	.5243	.7299	.7440	.6485	.6741	.6265	.6266	.5116	.6570	.7524	.7541			
70	WAIST CIRC-OMPHAL"N	.5028	.5855	.4983	.6015	.5650	.7754	.7958	.6964	.6974	.6061	.5095	.4975	.6333	.7133	.7319			
71	WAIST CIRC-OMPH/SIT	.4800	.5561	.4659	.5763	.5363	.7410	.7605	.6607	.6627	.5952	.5934	.4827	.6107	.6937	.7103			
72	BUTTOCK CIRCUMF"CE	.5632	.6966	.6508	.6585	.6636	.8972	.9075	.8185	.8127	.7220	.7286	.6304	.6701	.7581	.7676			
73	BUTTOCK CIRCUM/SIT	.5176	.6457	.5951	.6090	.6010	.8200	.8493	.7833	.7719	.6798	.6825	.5933	.6360	.7180	.7342			
74	VERTICAL TRUNK CIRC	.7051	.8159	.7950	.7840	.7920	.6592	.6692	.6869	.6984	.5682	.5769	.5600	.6060	.5803	.5731			
75	VERT TRUNK CIRC/SIT	.6752	.7834	.7723	.7582	.7792	.5977	.6057	.6336	.6424	.5020	.5117	.5096	.5599	.5163	.5070			
76	SCROTAL-ANT WAIST	.4048	.2990	.2486	.4731	.4794	.3587	.3594	.3797	.3913	.2973	.3045	.3141	.3412	.3169	.3097			
77	SCROTAL-A WAIST/S	.2011	.4222	.4435	.2527	.2984	.2321	.2418	.3090	.3112	.2102	.2286	.2830	.2378	.1761	.1734			
78	SCRTL-SUPRASTERNLE	.5594	.5132	.4604	.6468	.6423	.4931	.5058	.5347	.5308	.4157	.4229	.4067	.4771	.4507	.4435			
79	SCRTL-SUPRASTERNLE/S	.3597	.5424	.5408	.4326	.4758	.3476	.3658	.4357	.4261	.3195	.3285	.3454	.3711	.3042	.3009			
80	SCRTL-ANT SCYE LVL	.5670	.4769	.4404	.6053	.6130	.4159	.4202	.4510	.4500	.3389	.3424	.3521	.3712	.3548	.3389			
81	SCRTL-ANT SCYE L/S	.3170	.4578	.4762	.3279	.3876	.2167	.2249	.2943	.2881	.1978	.2039	.2489	.2092	.1611	.1493			
82	SCRTL-A MIDSHOULDR	.6051	.5576	.5056	.6595	.6617	.5422	.5577	.5815	.5846	.4675	.4723	.4480	.5356	.5015	.4966			
83	SCRTL-A MIDSHOULDR/S	.4370	.5743	.5631	.4759	.5257	.4066	.4256	.4921	.4932	.3311	.3887	.3929	.4423	.3674	.3647			
84	SCROTAL-PST WAIST	.4896	.8152	.7451	.5369	.5341	.6130	.6020	.5418	.5294	.4739	.4791	.4210	.4456	.5082	.5064			
85	SCRTL-WAIST OVR BK	.4407	.7551	.8305	.4900	.5021	.5774	.5572	.5478	.5238	.4774	.4844	.4210	.4456	.5082	.5064			
86	SCROTAL-P WAIST/S	.7222	.4866	.4422	.7225	.6879	.4561	.4450	.4031	.4141	.3773	.3820	.3326	.3763	.3951	.3822			
87	SCRTL-WAIST/BUTT/S	.6885	.5051	.4773	.6920	.7217	.5035	.4894	.4446	.4475	.4124	.4180	.3654	.3819	.4082	.3957			
88	SCROTAL-CERVICALE	.6561	.9286	.8798	.7066	.7127	.5775	.5775	.6075	.5867	.4697	.4749	.4619	.4996	.4754	.4729			
89	SCROTAL-CERVICALE/S	.9124	.7313	.6859	.9314	.9015	.5395	.5460	.5707	.5689	.4438	.4539	.4396	.5015	.4581	.4504			
90	SCRTL-PST SCYE LVL	.7053	.9011	.8451	.6583	.6643	.5360	.5332	.5278	.5148	.4141	.4199	.4091	.3999	.4186	.4170			

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
91 SORTL-PST SCYE L/S	.6784	.6287	.9031	.8652	.4395	.5004	.4899	.4953	.3877	.3981	.3925	.4070	.4057	.3966	.3966
92 SORTL-P MIDSHOULDR	.6784	.9284	.7704	.7733	.6295	.6361	.6345	.6302	.5176	.5222	.5049	.5449	.5453	.5407	.5407
93 SORTL-MOSHLDR OVR B	.6287	.9284	.7137	.7283	.5823	.5884	.6197	.6107	.5061	.5116	.5130	.5155	.4995	.4909	.4909
94 SORTL-P MOSHLDR/S	.9031	.7704	.7137	.7283	.5823	.5884	.6197	.6107	.5061	.5116	.5130	.5155	.4995	.4909	.4909
95 SORTL-MOSHLDR J B/S	.8652	.7733	.7283	.9506	.5937	.6008	.5937	.6127	.4891	.4974	.4877	.5280	.5007	.4882	.4882
96 UPPER THIGH CIRCUM	.4995	.6295	.5823	.5893	.5937	.7720	.7868	.7958	.7618	.7500	.6155	.6265	.7746	.7851	.7851
97 UPPER THIGH C/SIT	.5004	.6361	.5884	.5971	.6008	.9543	.7868	.7958	.7618	.7500	.6155	.6265	.7746	.7851	.7851
98 KNEE CIRCUMFERENCE	.4889	.6345	.6197	.5930	.5997	.7720	.7868	.7958	.7618	.7500	.6155	.6265	.7746	.7851	.7851
99 KNEE CIRCUMF/RIGHT	.4953	.6302	.6107	.6081	.6127	.7797	.7958	.9098	.7597	.7534	.7802	.7802	.6957	.6926	.6926
100 CALF CIRCUMF/LEFT	.3877	.5176	.5061	.4844	.4891	.7511	.7818	.7825	.7597	.7534	.7802	.7802	.6957	.6926	.6926
101 CALF CIRCUMF/RIGHT	.3981	.5222	.5116	.4916	.4974	.7500	.7803	.7834	.7534	.7534	.7802	.7802	.6957	.6926	.6926
102 ANKLE CIRCUMF/ENCE	.3925	.5049	.5130	.4792	.4877	.6155	.6260	.7181	.7066	.7066	.7802	.7802	.6957	.6926	.6926
103 SCYE CIRCUMFERENCE	.4070	.5449	.5155	.5367	.5280	.6265	.6335	.6174	.6212	.5420	.5500	.5500	.6907	.6926	.6926
104 BICEPS C-EXTEND/RT	.4057	.5453	.4995	.5156	.5007	.7746	.7350	.6774	.6336	.6957	.6907	.6907	.6907	.6926	.6926
105 BICEPS C-EXTEND/LT	.3966	.5407	.4909	.5092	.4882	.7851	.8008	.6817	.6840	.6937	.6926	.6926	.6926	.6926	.6926
106 BICEPS C-FLEXED/RT	.3752	.5254	.4931	.4828	.4721	.7424	.7594	.6608	.6540	.6776	.6733	.6733	.6733	.6733	.6733
107 BICEPS C-FLEXED/LT	.3689	.5328	.4956	.4858	.4666	.7507	.7543	.6620	.6542	.6715	.6735	.6735	.6735	.6735	.6735
108 ELBOW CIRC-EXTENDED	.4438	.5923	.5716	.5533	.5488	.6519	.6837	.7079	.7023	.6506	.6510	.6510	.6510	.6510	.6510
109 ELBOW CIRC-FLEXED	.3294	.4440	.4475	.4289	.4341	.4722	.4361	.5144	.5218	.4638	.4695	.4695	.4695	.4695	.4695
110 LOWER ARM C-EXTEND	.4389	.5816	.5610	.5526	.5461	.6860	.7005	.7081	.7030	.6809	.6808	.6808	.6808	.6808	.6808
111 LOWER ARM C-FLEXED	.3857	.5024	.4982	.4857	.4810	.5974	.6202	.6218	.6246	.6170	.6164	.6164	.6164	.6164	.6164
112 WRIST CIRCUMF-ENCE	.3378	.4326	.4244	.4236	.4203	.4207	.4434	.5710	.5637	.4796	.4797	.4797	.4797	.4797	.4797
113 SLVE L/SPINE-SCYE	.3186	.3894	.3570	.4058	.4025	.4104	.4225	.4041	.4200	.3316	.3714	.3871	.4149	.4189	.4189
114 SLVE L/SPINE-ELBOW	.3029	.4248	.4306	.4172	.4247	.4259	.4507	.4539	.4651	.3350	.3372	.3372	.4429	.4429	.4429
115 SLVE L/SPINE-WRIST	.3125	.4371	.4463	.4267	.4445	.3185	.3436	.4652	.4836	.3335	.3399	.3429	.4451	.4451	.4451
116 ANTERIOR NECK LGTH	.0026	.0239	.0443	.0656	.0211	.2373	.2386	.1298	.1305	.1588	.1523	.1523	.1523	.1523	.1523
117 POSTERIOR NECK LGTH	.0324	.0112	.0032	.0117	.0097	.1360	.1155	.0533	.0565	.0431	.0388	.0261	.0431	.0431	.0431
118 SHOULDER LENGTH	.0826	.2353	.2559	.2048	.2147	.1509	.1579	.2424	.2231	.2010	.1910	.2063	.2243	.2243	.2243
119 DELTOID ARC	.2860	.2712	.2689	.2783	.2890	.1646	.1686	.2180	.2200	.1373	.1476	.1760	.2328	.2328	.2328
120 INTERSCYE	.2004	.2956	.2573	.3132	.2904	.3617	.3501	.2956	.3346	.3206	.3071	.2610	.2854	.2854	.2854
121 INTERSCYE MAXIMUM	.3497	.5216	.4994	.5040	.4942	.4883	.5173	.5477	.5468	.4802	.4837	.4312	.5689	.5510	.5510
122 WAIST FRONT-OMPH"N	.4695	.5088	.4710	.5385	.5166	.4004	.4251	.4576	.4391	.3436	.3492	.3084	.3968	.3916	.3922
123 CROTCH LGTH-OMPH"N	.5428	.6643	.6329	.6206	.6224	.6833	.6774	.6368	.6473	.5574	.5638	.5249	.5117	.5613	.5673
124 WAIST BACK-OMPHL"N	.4935	.5335	.5413	.5198	.5331	.1943	.2199	.3554	.3317	.1975	.2040	.2580	.2744	.1658	.1679
125 FOOT LENGTH	.2968	.4042	.4348	.3764	.4013	.2308	.2565	.4520	.4611	.3351	.3406	.4587	.3243	.1845	.1833
126 INSTEP LENGTH	.2616	.3703	.3879	.3439	.3639	.2401	.2578	.4303	.4329	.3268	.3287	.4125	.3034	.2133	.1951
127 FOOT BREADTH	.2465	.3576	.3713	.3292	.3547	.3136	.3330	.4449	.4455	.4181	.4217	.4854	.3377	.2910	.2924
128 BALL-OF-FOOT CIRC	.2985	.4381	.4619	.4001	.4114	.4076	.4227	.5297	.5492	.5365	.5320	.6026	.4183	.3925	.3844
129 INSTEP CIRCUMF"NCE	.3542	.4592	.4759	.4530	.4625	.4715	.4867	.6012	.6232	.6113	.5986	.6780	.4537	.4483	.4410
130 HEEL CIRCUMFERENCE	.3979	.5316	.5491	.5011	.5183	.4520	.4747	.6504	.6499	.5834	.5842	.7072	.4739	.4158	.4097
131 BI-MALLEOLAR BROTH	.2793	.4131	.4423	.3894	.4062	.3250	.3298	.5305	.5252	.4784	.4617	.6131	.3561	.3159	.2871
132 LAT"L MALLEOLUS HT	.2578	.3006	.3118	.3069	.3102	.2063	.2171	.2951	.3134	.2175	.2421	.2823	.2543	.1913	.1989
133 MED"L MALLEOLUS HT	.2383	.3058	.3332	.2868	.3070	.1829	.1958	.3685	.3383	.2686	.2818	.3527	.2515	.1693	.1660
134 HAND LENGTH	.2392	.3369	.3725	.3191	.3433	.1524	.1761	.3547	.3704	.2289	.2443	.3478	.2970	.1542	.1409
135 PALM LENGTH	.2069	.2914	.3121	.2711	.2960	.1415	.1614	.3061	.3140	.2009	.2142	.2954	.2516	.1393	.1326

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
136 HAND BR/METACARPAL	.2271	.3443	.3734	.3036	.3137	.2652	.2877	.4312	.4255	.3654	.3631	.4496	.3597	.3401	.3140
137 HAND BRTH AT THUMB	.2356	.3655	.3699	.3278	.3407	.2723	.3024	.4208	.4369	.3824	.3815	.4600	.3672	.3482	.3136
138 HAND C/METACARPAL	.2772	.4040	.4237	.3765	.3865	.3258	.3433	.4805	.4771	.4313	.4333	.5158	.4202	.4148	.3779
139 HAND C ROUND THUMB	.3170	.4605	.4773	.4338	.4391	.4012	.4224	.5383	.5361	.5056	.5025	.5622	.4910	.5042	.4624
140 HAND THICK/METFA-3	.1607	.1913	.1927	.1874	.1822	.1259	.1502	.2455	.2315	.1944	.1906	.2450	.2047	.2084	.1939
141 HEAD CIRCUMFERENCE	.2464	.3275	.3259	.3045	.3048	.2913	.2903	.3241	.3223	.2816	.2816	.2907	.3099	.2917	.2919
142 SAGITTAL ARC/INION	.0776	.0798	.0932	.0743	.0758	.0733	.0730	.0948	.1018	.0985	.0951	.1140	.0847	.0759	.0843
143 MINIMUM FRONTL ARC	.1286	.1601	.1510	.1553	.1431	.1543	.1546	.1809	.1830	.1519	.1426	.1971	.1407	.1551	.1621
144 BITRAGON-CORONAL	.2133	.2543	.2575	.2410	.2407	.2065	.2070	.2321	.2211	.2023	.2023	.2102	.2084	.1847	.1930
145 BITRAGN-MIN FRNTAL	.2246	.2726	.2630	.2619	.2681	.2359	.2497	.3032	.3065	.2530	.2507	.2752	.2945	.2529	.2563
146 BITRAGN-SUBNASALE	.2598	.3598	.3425	.3441	.3474	.3584	.3611	.3840	.3922	.3468	.3450	.3512	.3995	.3808	.3831
147 BITRAGON-MENTON	.3285	.4267	.4024	.4163	.4101	.3982	.4111	.4489	.4528	.3784	.3765	.3837	.4583	.4360	.4315
148 BIT-SUBMANDIBULAR	.3517	.4550	.4171	.4585	.4327	.4104	.4156	.4410	.4446	.3620	.3629	.3459	.4559	.4447	.4403
149 BITRAGN-N-POSTERIOR	.1644	.2591	.2597	.2299	.2240	.2248	.2263	.2480	.2267	.1742	.1807	.1822	.2346	.2284	.2319
150 HEAD LENGTH	.1522	.2243	.2333	.1932	.1978	.1561	.1605	.2135	.2159	.1744	.1782	.1946	.2011	.1618	.1584
151 HEAD DIAGNL/MENTON	.2243	.3247	.3345	.2770	.2819	.2359	.2505	.3234	.3243	.2745	.2761	.3006	.2770	.2401	.2370
152 HD DIAGN/INION-NOSE	.1202	.2076	.2140	.1704	.1713	.1481	.1596	.2083	.2110	.1607	.1628	.1777	.1890	.1575	.1555
153 EAR BREADTH	.1541	.1696	.1606	.1966	.1965	.1119	.1090	.1687	.1647	.1444	.1459	.1431	.1459	.1083	.0998
154 EAR LENGTH	.2131	.2317	.2161	.2739	.2682	.1561	.1651	.2219	.2343	.1764	.1770	.1927	.2356	.1979	.1931
155 EAR L ABOVE TRAGION	.1006	.0458	.0458	.0860	.0877	.0508	.0444	.0702	.0806	.0547	.0546	.0625	.0807	.0304	.0353
156 HEAD BREADTH	.1851	.2256	.2215	.2315	.2239	.2179	.2351	.2402	.2358	.2236	.2238	.2220	.2364	.2490	.2469
157 MAXIMUM FRONTAL BR	.1667	.2178	.2139	.2011	.1989	.1916	.2042	.2679	.2572	.2191	.2087	.2333	.2402	.2191	.2134
158 BITRAGON BREADTH	.2399	.3127	.2919	.3172	.3041	.2951	.3009	.3327	.3446	.2894	.2841	.2932	.3239	.3338	.3254
159 BIZYGOMATIC BR"OTH	.2804	.3409	.3178	.3350	.3187	.3246	.3431	.3770	.3839	.3255	.3185	.3303	.3701	.3925	.3956
160 BIGONIAL BREADTH	.2312	.2697	.2369	.2582	.2364	.2915	.3110	.3340	.3246	.2860	.2817	.2804	.3425	.3618	.3783
161 EAR-TO-EAR BREADTH	.1797	.2327	.2291	.2417	.2363	.1573	.1729	.2315	.2242	.1955	.1980	.2198	.1818	.1749	.1754
162 BIOCULAR BREADTH	.1102	.1242	.1117	.1241	.1291	.1200	.1301	.1737	.1739	.1442	.1387	.1502	.1478	.1235	.1202
163 INTERPUILLARY BRO	.1067	.1210	.1124	.1236	.1206	.1016	.1113	.1765	.1794	.1090	.1035	.1376	.1639	.1077	.1097
164 INTEROCULAR BR"OTH	.0829	.0968	.0913	.1105	.1071	.1115	.1145	.1537	.1546	.1215	.1151	.1567	.1372	.1102	.0989
165 NOSE BREADTH	.0687	.1348	.1272	.1388	.1285	.1201	.1250	.1463	.1363	.1304	.1215	.1496	.1724	.1850	.1744
166 LIP LENGTH	.0724	.1388	.1334	.1238	.1113	.0771	.0937	.1411	.1291	.1056	.0926	.1415	.1620	.1407	.1472
167 EAR PROTRUSION	.0732	.1048	.0978	.1193	.1201	.0820	.0855	.1139	.1101	.1073	.1088	.1291	.0546	.0674	.0691
168 SUBNASALE-NASAL RT	.0970	.1254	.1385	.1376	.1438	.0416	.0453	.1229	.1305	.0780	.0779	.1210	.0814	.0307	.0286
169 PHILTRUM LENGTH	.0818	.0989	.1022	.1205	.1101	.0816	.0837	.1061	.1259	.1076	.1018	.1169	.1256	.1286	.1274
170 LIP-TO-LIP LENGTH	.0388	.0424	.0258	.0526	.0349	.0295	.0408	.0393	.0440	.0531	.0419	.0396	.0599	.1011	.0920
171 MENTON-SUBNASALE L	.1101	.1354	.1594	.1428	.1501	.1060	.1082	.1422	.1503	.1183	.1273	.1424	.1405	.1150	.1119
172 MENTON-NASAL ROOT	.1649	.2022	.2297	.2151	.2226	.1213	.1320	.2046	.2225	.1595	.1667	.2008	.1812	.1345	.1259
173 GLABELLA-TO-VERTEX	.0505	.0030	.0076	.0102	.0058	.0135	.0084	.0134	.0043	.0235	.0284	.0325	.0354	.0457	.0472
174 NASAL ROOT-TO-VRTX	.0759	.0477	.0471	.0324	.0514	.0272	.0230	.0589	.0394	.0515	.0571	.0533	.0089	.0121	.0133
175 XTRNL CANTHUS-VRTX	.0961	.0737	.0735	.0621	.0760	.0609	.0563	.0905	.0705	.0761	.0804	.0815	.0423	.0120	.0416
176 PRONASALE-TO-VRTX	.0590	.0417	.0497	.0298	.0511	.0019	.0019	.0599	.0400	.0344	.0376	.0614	.0044	.0394	.0148
177 SUBNASALE-TO-VRTX	.0865	.0707	.0823	.0509	.0718	.0147	.0139	.0854	.0627	.0545	.0600	.0841	.0272	.0243	.0024
178 STOMION-TO-VERTEX	.0993	.0877	.1021	.0762	.0982	.0266	.0253	.1021	.0853	.0725	.0793	.1029	.0479	.0069	.0171
179 MENTON-TO-VERTEX	.1418	.1365	.1529	.1278	.1478	.0759	.0782	.1501	.1405	.1184	.1271	.1500	.1093	.0532	.0734
180 TRAGION-TO-VERTEX	.1243	.1236	.1225	.1153	.1219	.1259	.1179	.1344	.1235	.1304	.1353	.1318	.0910	.0797	.0996

TABLE V (continued)

		CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967																	
		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105			
181	GLABELLA-TO-WALL	.1672	.2373	.2479	.2051	.2121	.1715	.1773	.2320	.2299	.1907	.1923	.2173	.2101	.1753	.1740			
182	NASAL ROOT-TO-WALL	.1701	.2369	.2486	.2081	.2130	.1561	.1726	.2260	.2253	.1853	.1872	.2147	.2056	.1681	.1642			
183	XTRNL CANTHUS-WALL	.1358	.1986	.2054	.1770	.1680	.1290	.1378	.1600	.1707	.1373	.1391	.1423	.1657	.1541	.1454			
184	PRONASALE-TO-WALL	.1765	.2595	.2679	.2370	.2337	.1889	.1973	.2460	.2565	.1949	.1979	.2204	.2390	.2029	.1876			
185	SUBNASALE-TO-WALL	.1594	.2469	.2523	.2210	.2164	.1953	.2031	.2226	.2365	.1933	.1946	.2018	.2282	.2059	.1920			
186	LIP PROMIN-CE-WALL	.1597	.2437	.2469	.2235	.2152	.2132	.2213	.2263	.2393	.1958	.1986	.1983	.2379	.2283	.2126			
187	CHIN PROMINCE-WALL	.1868	.2744	.2640	.2581	.2423	.2434	.2548	.2479	.2534	.2192	.2187	.2171	.2667	.2737	.2557			
188	TRAGION-TO-WALL	.0742	.1416	.1444	.1218	.1110	.1033	.1024	.0927	.1067	.0901	.0883	.0896	.0973	.1079	.0965			
189	GUESSED HEIGHT	.4259	.5239	.5479	.4974	.5310	.2547	.2729	.4308	.4465	.2566	.2756	.3296	.3667	.1708	.1671			
190	GUESSED WEIGHT	.5900	.7447	.7110	.7121	.7080	.8160	.8404	.8274	.8325	.7468	.7568	.6812	.7228	.7604	.7674			

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
1 AGE	.0460	.0444	.1154	.0839	.1189	.0879	.1531	.1402	.0542	.0215	-.2240	-.1042	-.0032	-.0361	.1393
2 WEIGHT	.7759	.7871	.7822	.5973	.7888	.7135	.5856	.5268	.5638	.5799	-.1829	-.0532	.2805	.3044	.4012
3 SKF SUBSCAP-R-LNGE	.4673	.4870	.3998	.2314	.4224	.3345	.2597	.2427	.1714	.1302	.3649	-.1835	.0369	.1004	.2218
4 SKF TRICEPS-LANGE	.4358	.4623	.3575	.2033	.3527	.2819	.2568	.1872	.1374	.1747	.3045	-.1249	.0429	.0966	.1143
5 SKF JUX"NIPPLE-LGE	.4459	.4731	.4009	.2227	.4046	.3153	.2705	.2534	.1600	.1348	.3762	-.1650	.0211	.0818	.2356
6 SKF MAL XIPH"D-LGE	.5157	.5394	.4395	.2585	.4460	.3501	.2753	.2782	.1778	.1451	.3687	-.1802	.0055	.0926	.2371
7 SKF SUPRAILLIAC-LGE	.5354	.5607	.4473	.2623	.4644	.3743	.2688	.2488	.1929	.1693	.3116	-.1659	.0409	.1306	.2317
8 SKF SUPRAPATELLA-L	.4669	.4766	.3884	.2399	.4062	.3462	.2991	.2064	.1460	.1401	.2995	-.1258	.0540	.0394	.1606
9 SKF SUBSCAP-R-HARP	.4648	.4887	.4011	.2199	.4221	.3283	.2675	.2618	.1635	.1226	.3873	-.2083	.0210	.0914	.2452
10 SKF TRICEPS-HARP"N	.4511	.4762	.3813	.2179	.3866	.2987	.2500	.1808	.1586	.1406	.3272	-.1619	.0220	.0662	.1477
11 SKF SUPRAILLIAC-HPN	.5261	.5495	.4460	.2564	.4587	.3726	.2834	.2560	.1911	.1680	.3115	-.1591	.0404	.1258	.2127
12 GRIP STRENGTH	.3848	.3575	.4323	.4133	.4603	.4934	.3587	.2839	.3403	.3876	.0473	.0488	.2313	.1578	.1239
13 HEIGHT (STATURE)	.1755	.1808	.3351	.3750	.2842	.3030	.3484	.2889	.6475	.7577	.2889	.2191	.3371	.4215	.1201
14 CERVICALE HEIGHT	.1872	.1926	.3451	.3794	.2907	.3068	.3539	.2807	.6549	.7703	.2416	.1145	.3459	.4327	.1186
15 ACROMION HEIGHT	.2020	.2134	.3581	.3864	.3065	.3176	.3506	.2889	.6278	.7438	.2153	.1306	.2487	.4627	.1198
16 RADIALE HEIGHT	.2323	.2433	.3782	.3830	.3275	.3264	.3485	.2785	.5298	.6456	.1843	.1232	.2204	.3958	.1062
17 STYLION HEIGHT	.2122	.2302	.3549	.3541	.3103	.3068	.2888	.2506	.4297	.5075	.1847	.1201	.1546	.3707	.0877
18 DACTYLION HEIGHT	.1980	.2182	.3067	.2963	.2716	.2602	.2334	.2271	.3661	.4259	.1442	.1081	.1062	.3381	.0698
19 SUPRASTERNALE HGHT	.2077	.2151	.3609	.3852	.3103	.3197	.3686	.2940	.6483	.7644	.1466	.1684	.3267	.4176	.1450
20 NIPPLE HEIGHT	.1470	.1537	.2991	.3445	.2468	.2720	.3118	.2460	.6075	.7269	.2081	.1673	.2890	.4309	.1064
21 WAIST HT-ONPHALION	.1134	.1157	.2527	.3359	.2031	.2385	.2824	.2363	.6180	.7467	.2374	.1436	.3183	.4029	.1306
22 ILIOCRISTALE HT	.1736	.1851	.3031	.3660	.2521	.2805	.3148	.2679	.6483	.7776	.1744	.1085	.3024	.4273	.1417
23 BUTTOCK HEIGHT	.1357	.1489	.2581	.3297	.2086	.2375	.2653	.2313	.6050	.7359	.1943	.1003	.3256	.3929	.1391
24 TROCHANTERION HGHT	.1039	.1164	.2368	.3169	.1856	.2231	.2734	.2318	.6233	.7564	.1932	.1115	.2955	.4015	.1166
25 GLUTEAL FURROW HGHT	.1039	.1150	.2247	.3138	.1746	.2159	.2452	.2139	.6040	.7425	.1888	.1078	.2911	.3944	.1152
26 CROTCH HEIGHT	.0665	.0776	.1882	.2831	.1361	.1834	.2255	.1858	.5955	.7252	.2296	.1078	.2901	.3878	.0650
27 PATELLA TOP HEIGHT	.1477	.1558	.2865	.3474	.2373	.2709	.3135	.2331	.5886	.7338	.1267	.0934	.2759	.3528	.1379
28 KNEE CIRC HEIGHT	.1484	.1587	.2812	.3365	.2327	.2637	.3040	.2347	.6002	.7366	.1600	.0963	.3152	.3670	.1217
29 FIBULAR HEIGHT	.1240	.1327	.2434	.3051	.1996	.2355	.2799	.2328	.5969	.7307	.1903	.1086	.3149	.3802	.1043
30 CALF HEIGHT	.1325	.1476	.2482	.2985	.2035	.2295	.2464	.2157	.5240	.6418	.1918	.0894	.2672	.3546	.1259
31 ANKLE HEIGHT	.0283	.0454	.1674	.2407	.1409	.1585	.1723	.1498	.2999	.3718	.1334	.0374	.1562	.2030	.2114
32 SITTING HEIGHT	.2115	.2055	.3492	.3175	.3223	.3184	.3482	.2808	.4687	.5105	.3203	.2704	.2852	.3212	.0658
33 EYE HEIGHT/SITTING	.1878	.1794	.3218	.2870	.2928	.2822	.3358	.2597	.4430	.4823	.3128	.2760	.2663	.3086	.0301
34 MIDSHOULDER HT/SIT	.2545	.2543	.3852	.3187	.3562	.3333	.3745	.2923	.4369	.4769	.1796	.1276	.2323	.3479	.0278
35 ACROMION H"IGHT/SIT	.2414	.2402	.3652	.3001	.3400	.3163	.3476	.2751	.3939	.4329	.1560	.1167	.0980	.3756	.0037
36 ELBOW REST HGHT/SIT	.2026	.1940	.2438	.1306	.2385	.1944	.1966	.1424	.0396	.0492	.0440	.0711	-.0679	.0918	-.0880
37 KNEE HEIGHT/SITTING	.2219	.2292	.3524	.3901	.3067	.3310	.3635	.2956	.6412	.7772	.1319	.1033	.3109	.3987	.1549
38 POPLITEAL HGHT/SIT	.0201	.0266	.1599	.2674	.1086	.1634	.2216	.1825	.5561	.7010	.2538	.1468	.2929	.3728	.0742
39 BUTTOCK-KNEE LENGTH	.3217	.3390	.4112	.4067	.3747	.3505	.3278	.2814	.5876	.6860	.0544	.0447	.2684	.3489	.2561
40 BUTTOCK-POPLITEAL	.2864	.3071	.3475	.3392	.3096	.2978	.2542	.2392	.5311	.6211	.0548	.0507	.2575	.3201	.2102
41 ACRM-BICEP CIR LVL	.0311	.0670	.1592	.1417	.1303	.1247	.1586	.1783	.4522	.4765	.1714	.0499	.0811	.4769	.1015
42 SHOULDER-ELBOW LTH	.0941	.1059	.2399	.2941	.2068	.2236	.2756	.2342	.6958	.7757	.1906	.0913	.2348	.4615	.1226
43 ACROMION-RADIALE L	.0981	.1064	.2282	.2872	.1889	.2173	.2646	.2425	.6614	.7459	.1911	.0961	.1933	.4934	.1406
44 ELBOW-WRIST LENGTH	.1860	.1711	.3058	.3612	.2475	.2753	.3363	.2169	.5602	.7639	.1311	.0874	.2737	.3176	.1480
45 RADIALE-STYLION LH	.1589	.1442	.2703	.3244	.2171	.2458	.3218	.2138	.5544	.7351	.0941	.0813	.2733	.3051	.1523

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

46	ELBOW-GRIP LENGTH	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
47	THUMB-TIP REACH	1710	1573	3127	3695	2573	2840	3280	2257	5553	7395	1777	0926	2945	3169	1648
48	THUMB-TIP R"CH/XTD	1708	1589	2760	3240	2375	2544	3216	2697	5926	6986	1178	0715	3026	3122	1839
49	SLEEVE INSEAM	1606	1521	2675	3149	2270	2590	2891	2342	5419	6404	1337	0756	3062	2932	1573
50	BIACROMIAL BREADTH	0128	0211	0825	1913	0576	1044	2362	2131	6436	7492	1959	0168	3111	3476	0814
51	BIDELTOID BREADTH	3257	3348	3614	3474	3729	3710	3246	4447	5179	5020	0071	0046	5783	1133	4261
52	CHEST BREADTH	7022	7183	6592	5224	6764	6268	4645	5657	5073	4827	1840	0798	3355	2409	5597
53	WAIST BROTTH-OMPH" N	6286	6332	5929	4773	6001	5678	4273	5370	4366	4174	2244	0863	2149	1634	4833
54	BICRISTALE BREADTH	6380	6625	5147	4420	6210	5344	4436	4516	4134	4011	2846	1396	1703	2100	3874
55	HIP BREADTH	4451	4677	4789	3735	4779	4116	3747	3117	3838	3922	1680	1040	1836	1852	2731
56	HIP BREADTH SIT" G	5947	6049	6081	4459	5949	5152	4472	3757	4415	4609	1136	0366	2187	2428	2953
57	ELBOW BROTH BONE/R	6430	6547	6225	4389	6171	5301	4467	3950	4338	4392	1803	0681	1886	2370	2924
58	ELBOW BROTH BONE/L	3585	3499	4956	4372	4864	4613	4623	2663	4003	4463	0200	0366	2157	1760	1773
59	F"ARM-F"ARM BR" OTH	3653	3828	5039	4283	4926	4691	4885	2683	4072	4566	0331	0570	2199	2280	1532
60	KNEE BR" OTH BONE/R	6641	6718	6166	4751	6309	5854	4149	4517	3836	3708	2252	0871	1909	1383	3951
61	KNEE BR" OTH BONE/L	4539	4543	5618	4425	5576	5100	5332	3459	4262	4486	0458	0252	2421	2591	2184
62	CHEST DEPTH	4498	4544	5633	4413	5582	5097	5405	3481	4333	4558	0484	0258	2371	2735	2095
63	WAIST DEPTH-OMPH" N	6569	6534	6163	4397	6371	5629	4346	4099	3540	3473	3147	1311	1478	1256	3896
64	BUTTOCK DEPTH	5678	5875	5537	3671	5689	4743	3943	3619	2876	2625	3746	1409	1151	1333	3223
65	THIGH CLEARANCE HT	6428	6684	6143	4325	6251	5383	4196	3919	3034	2915	3017	1110	1521	1558	3603
66	NECK CIRC -MAXIMUM	7176	7169	6237	4263	6469	5799	4085	3820	2964	2801	2250	0886	1318	1649	2652
67	SHOULDER CIRCUM"OE	6364	6382	5562	4934	6800	6211	4703	4400	3426	3233	2641	1051	1716	1566	3484
68	CHEST CIRC AT SCYE	7541	7667	6922	5470	7140	6788	5185	6258	5632	5391	2015	0633	3552	2730	4660
69	CHEST CIRCUM"ENCE	7172	7212	6823	5527	6995	6524	4581	5712	4531	4463	2396	0803	2420	1787	5408
70	WAIST CIRC-OMPHAL" N	7089	7137	6805	5297	6953	6325	4512	5092	4168	4094	2823	1123	1915	1644	5099
71	WAIST CIRC-OMPH/SIT	6517	6771	6240	4246	6347	5397	4437	4366	3741	3525	3497	1430	1441	2014	3433
72	BUTTOCK CIRCUMF"OE	6335	6559	6052	4160	6194	5297	4346	4215	3414	3158	3636	1437	1311	1725	3596
73	BUTTOCK CIRCUM/SIT	7177	7270	7012	5043	7047	6127	5002	4414	4321	4364	2188	0778	2047	2416	3561
74	VERTICAL TRUNK CIR	6774	6916	6700	4622	6669	5798	4952	4280	4229	4208	2529	0746	1945	2304	2981
75	VERT TRUNK CIR/SIT	5558	5609	6363	4958	6211	5547	5065	4548	5027	5246	0424	0166	2482	3166	2898
76	SCROTAL-ANT WAIST	4983	5012	5795	4598	5677	5045	4575	4131	4842	5114	0060	0069	2356	3326	2439
77	SCROTAL-A WAIST/S	2863	2874	3341	2848	3377	3048	2954	2838	3134	3153	0759	0137	1618	1636	2021
78	SCROTAL-SUPRASTERNLE	1806	1820	2663	2542	2515	2413	2641	1898	2792	3107	1196	0720	1842	1721	1036
79	SCRTL-SUPRASTERNLE/S	4172	4262	4856	3682	4789	4202	4177	3606	4019	4132	1928	0621	1849	2150	2238
80	SCRTL-ANT SCYE LVL	3038	3106	3968	3121	3735	3410	3355	2891	3978	4262	0394	1345	2278	2410	0850
81	SCRTL-ANT SCYE L/S	3149	3241	4001	3128	3916	3445	3555	3005	3424	3598	0516	0474	1658	2022	1651
82	SCRTL-A MIDSHJULOR	1573	1620	2589	2137	2329	2185	2835	1903	2921	3282	1350	1136	1852	2007	0022
83	SCRTL-A MIDSHJULOR/S	4755	4845	5351	4124	5261	4737	4479	4029	4447	4583	1073	0458	1851	2745	1867
84	SCROTAL-POST WAIST	3755	3794	4616	3588	4378	4057	4194	3397	4429	4747	0539	1103	2146	3076	0573
85	SCRTL-WAIST OVR BK	4818	4860	4819	3431	4835	4030	3199	2871	2756	2665	1324	0401	1717	1534	2536
86	SCROTAL-POST WAIST/S	4652	4648	4800	3635	4819	4200	3253	2711	3080	3034	0452	0232	2044	1576	2410
87	SCRTL-WAIST/BUIT/S	3593	3416	3631	2764	3813	3337	2517	3075	2502	2329	1347	0031	1366	1409	2309
88	SCROTAL-CERVICALE	3810	3648	3861	3023	4028	3521	2480	2933	2652	2518	0912	0049	1415	1593	2219
89	SCROTAL-CERVICALE/S	4701	4740	5435	3970	5245	4495	4148	3188	4239	4377	0005	0435	2625	2826	1952
90	SCRTL-POST SCYE LVL	4399	4350	5142	3912	5054	4444	4122	3542	4135	4273	0283	0292	2210	2921	2223
		3394	4074	4687	3258	4493	3799	3391	2795	3137	3217	0403	0228	1265	2832	1704

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

91	SCRTL-PST SCYE L/S	.3752	.3689	.407	.108	.109	.110	.111	.112	.113	.114	.115	.116	.117	.118	.119	.120
92	SCRTL-P MIDSHOULDR	.5254	.5328	.4931	.4438	.3294	.4389	.3857	.3378	.3186	.3029	.3125	.0026	.0324	.0826	.2860	.2004
93	SCRTL-MDSHLD OVR B	.4931	.4956	.4956	.5716	.4475	.5610	.4982	.4244	.3894	.4248	.4371	.0239	.0112	.2353	.2712	.2956
94	SCRTL-P MDSHLD R/S	.4828	.4858	.5533	.4289	.5526	.4957	.4857	.4236	.4058	.4172	.4267	.0656	.0117	.2048	.2689	.2573
95	SCRTL-MDSHLD O B/S	.4721	.4666	.5488	.4341	.5461	.4810	.4203	.4203	.4025	.4247	.4445	.0211	.0097	.2147	.2890	.2904
96	UPPER THIGH CIRCUM	.7424	.7507	.6619	.4722	.6860	.5974	.4207	.4104	.4225	.3507	.3185	.2373	.1360	.1509	.1646	.3617
97	UPPER THIGH C/SIT	.7594	.7643	.6837	.4961	.7005	.6202	.5430	.4710	.4041	.4539	.4652	.1398	.1165	.1579	.1686	.3601
98	KNEE CIRCUMFERENCE	.6508	.6620	.7079	.5144	.7081	.6218	.5710	.4734	.4200	.4651	.4836	.1305	.0533	.2424	.2180	.2956
99	KNEE CIRCUM"CE/SIT	.6640	.6642	.7023	.5218	.7030	.6246	.5637	.4200	.4651	.4836	.1305	.0533	.2424	.2180	.2956	.3346
100	CALF CIRCUMF/RIGHT	.6776	.6715	.6506	.4638	.6809	.6170	.4796	.3816	.3350	.3335	.1588	.0431	.2010	.1373	.3206	.3206
101	CALF CIRCUMF/LEFT	.6733	.6735	.6510	.4695	.6808	.6164	.4797	.3714	.3372	.3399	.1523	.0388	.1910	.1476	.3071	.3071
102	ANKLE CIRCUM"ENCE	.5627	.5553	.5085	.4364	.6167	.5507	.5407	.3471	.3383	.3429	.0577	.0261	.2063	.1760	.2610	.2610
103	SCYE CIRCUMFERENCE	.6705	.6551	.6836	.5608	.6872	.6386	.4640	.4149	.4429	.4451	.1555	.0431	.2243	.2328	.2854	.2854
104	BICEPS C-EXTEND/RT	.9321	.8826	.7985	.5884	.8204	.7467	.5023	.4189	.2825	.3069	.2882	.2619	.1135	.1520	.0987	.3795
105	BICEPS C-EXTEND/LT	.8918	.9440	.7525	.5416	.7772	.7052	.4867	.4358	.3069	.3403	.3260	.2149	.1227	.1796	.1221	.3548
106	BICEPS C-FLEXED/RT	.9133	.7948	.6418	.8207	.7808	.5135	.4367	.3196	.3187	.3187	.2154	.0869	.1762	.0988	.3461	.3461
107	BICEPS C-FLEXED/LT	.9133	.7411	.5789	.7698	.7246	.4939	.4490	.3490	.3403	.3260	.2149	.1227	.1796	.1221	.3548	.3548
108	ELBOW CIRC-EXTENDED	.7948	.7411	.5789	.7698	.7246	.4939	.4490	.3490	.3403	.3260	.2149	.1227	.1796	.1221	.3548	.3548
109	ELBOW CIRC-FLEXED	.6418	.5789	.7173	.7168	.8507	.5783	.3917	.3654	.4029	.1547	.0409	.0267	.1954	.1664	.2798	.2798
110	LOWER ARM C-EXTEND	.8207	.7698	.9364	.7168	.8874	.5983	.4271	.3662	.3815	.3662	.3815	.1782	.2011	.1778	.3573	.3573
111	LOWER ARM C-FLEXED	.7808	.7246	.8382	.8507	.8874	.5983	.4271	.3662	.3815	.3662	.3815	.1782	.2011	.1778	.3573	.3573
112	WRIST CIRCUM"ENCE	.5135	.4939	.5783	.4407	.5983	.4407	.4260	.4051	.6526	.5618	.1024	.0420	.0785	.3323	.1999	.3623
113	SLVE L/SPINE-SCYE	.4367	.4490	.3917	.3456	.4271	.4260	.4051	.6526	.5618	.1024	.0420	.0785	.3323	.1999	.3623	.3623
114	SLVE L/SPINE-ELBOW	.3196	.3409	.3654	.3607	.3662	.3719	.4151	.6526	.5618	.1024	.0420	.0785	.3323	.1999	.3623	.3623
115	SLVE L/SPINE-WRIST	.3187	.3260	.4029	.4181	.3815	.4002	.4466	.5618	.1024	.0420	.0785	.3323	.1999	.3623	.3623	.3623
116	ANTERIOR NECK LGTH	.2154	.2149	.1547	.0409	.1782	.1263	.1024	.0420	.0785	.3323	.1999	.3623	.3623	.3623	.3623	.3623
117	POSTERIOR NECK LGTH	.0869	.1227	.0429	.0267	.0152	.0082	.0340	.0785	.3323	.1999	.3623	.3623	.3623	.3623	.3623	.3623
118	SHOULDER LENGTH	.1762	.1796	.2056	.1954	.2011	.2006	.2385	.3323	.1999	.3623	.3623	.3623	.3623	.3623	.3623	.3623
119	DELTOID ARC	.0988	.1221	.1918	.1664	.1778	.1757	.1667	.1999	.3623	.3623	.3623	.3623	.3623	.3623	.3623	.3623
120	INTERSCYE	.3461	.3548	.3373	.2798	.3373	.3277	.2087	.3623	.3623	.3623	.3623	.3623	.3623	.3623	.3623	.3623
121	INTERSCYE MAXIMUM	.5591	.5732	.5668	.4781	.5745	.5559	.4612	.5717	.5613	.5618	.1088	.0084	.0084	.0084	.0084	.0084
122	WAIST FRONT-OMPH" N	.3646	.3853	.4233	.2730	.4104	.3438	.3676	.2897	.3240	.3312	.2551	.0855	.1372	.1852	.1390	.1390
123	CROTCH LGTH-OMPH" N	.5347	.5413	.5288	.4031	.5387	.4740	.4350	.4470	.4195	.3996	.1349	.0861	.2287	.2090	.3224	.3224
124	WAIST BACK-OMPHL" N	.1915	.1974	.3065	.2366	.2739	.2477	.3205	.2087	.4029	.4377	.1605	.0482	.2394	.2962	.0100	.0100
125	FOOT LENGTH	.2172	.2153	.3742	.3764	.3420	.3400	.4291	.2686	.5063	.6082	.1674	.0988	.3007	.3023	.1710	.1710
126	INSTEP LENGTH	.2265	.2204	.3545	.3511	.3324	.3268	.4006	.2366	.4541	.5541	.0764	.0851	.2354	.2397	.1695	.1695
127	FOOT BREADTH	.3170	.3170	.4148	.3692	.4099	.4080	.4282	.2698	.3612	.4070	.0573	.1006	.2198	.1873	.1488	.1488
128	BALL-OF-FOOT CIRC	.4005	.3964	.4979	.4436	.4934	.4896	.4935	.3273	.3878	.4315	.0262	.0518	.2439	.1835	.2605	.2605
129	INSTEP CIRCUMF" NCE	.4463	.4394	.5320	.4527	.5414	.5126	.5422	.3808	.4151	.4654	.0003	.0429	.2384	.1954	.2834	.2834
130	HEEL CIRCUMFERENCE	.4242	.4244	.5509	.4750	.5383	.5120	.5816	.3922	.5326	.6023	.0461	.0545	.3124	.3013	.2587	.2587
131	BI-MALLEOLAR BROTH	.3123	.2980	.4476	.4049	.4196	.4196	.4956	.3097	.3827	.4236	.0877	.0418	.2409	.1877	.2544	.2544
132	LAT" L MALLEOLUS HT	.1994	.2144	.2896	.2789	.2661	.2523	.2475	.1678	.2828	.3176	.0917	.0368	.0851	.2418	.1364	.1364
133	MED" L MALLEOLUS HT	.1822	.1867	.3093	.2866	.2986	.2908	.3601	.2104	.3257	.3496	.1017	.0726	.1800	.2381	.0976	.0976
134	HAND LENGTH	.1807	.1729	.3534	.3801	.3173	.3293	.4067	.2310	.4720	.5976	.1674	.1254	.2977	.2636	.1670	.1670
135	PALM LENGTH	.1573	.1536	.2884	.3330	.2521	.2763	.3314	.2125	.3964	.4977	.1291	.1064	.2544	.2012	.1571	.1571

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

136	HAND BR/METACARPAL	.3786	.3489	.4732	.4147	.4715	.4707	.5311	.2898	.113	.114	.115	.116	.117	.118	.119	.120
137	HAND BRTH AT THUMB	.3816	.3502	.4642	.4350	.4720	.4769	.5257	.3247	.4039	.4542	.4542	.0608	.0625	.2430	.1884	.1530
138	HAND C/METACARPAL	.4441	.4045	.5543	.4858	.5654	.5502	.5720	.3397	.3832	.4395	.4395	.0608	.0625	.2742	.1621	.2172
139	HAND C ROUND THUMB	.5357	.4929	.6298	.5511	.6536	.6379	.6208	.3953	.4334	.4752	.4752	.0084	.0233	.2905	.1872	.2876
140	HAND THICK/MEIA-3	.2253	.2075	.2898	.2276	.2869	.2775	.3119	.1717	.2219	.2348	.2348	.0047	.0689	.1357	.1168	.0388
141	HEAD CIRCUMFERENCE	.2833	.2748	.3251	.2755	.3405	.3206	.3017	.2489	.2776	.2889	.2889	.0766	.0766	.1573	.1373	.2044
142	SAGITTAL ARC/INION	.0883	.0913	.0982	.0770	.0987	.1045	.1314	.1129	.1165	.1188	.1188	.0331	.0752	.0529	.0667	.0219
143	MINIMUM FRONTL ARC	.1567	.1595	.1618	.1273	.1738	.1693	.1774	.1158	.1175	.1019	.1019	.0506	.0636	.0630	.1301	.1043
144	BITRAGION-CORONAL	.1811	.1890	.2118	.1699	.2223	.1994	.1611	.1489	.2264	.2202	.2202	.0195	.0043	.0886	.1579	.1093
145	BITRAGN-MIN FRNTAL	.2502	.2530	.2935	.2361	.3030	.2975	.2861	.2410	.2864	.2855	.2855	.0699	.0137	.1317	.1751	.1280
146	BITRAGN-N-SUBNASALE	.3735	.3776	.4050	.3257	.4241	.3915	.3227	.2630	.2788	.2845	.2845	.1133	.0328	.1543	.1403	.2378
147	BITRAGION-MENTON	.4244	.4274	.4720	.3887	.4846	.4491	.3720	.3290	.3435	.3530	.3530	.1409	.0131	.2000	.1690	.2772
148	BIT-SUBMANDIBULAR	.4242	.4281	.4655	.3665	.4827	.4186	.3443	.2980	.2888	.2870	.2870	.2468	.0439	.1488	.1110	.2859
149	BITRAGN-N-POSTERIOR	.2234	.2223	.2509	.1969	.2663	.2164	.1889	.1252	.1713	.1686	.1686	.0618	.1046	.1307	.1101	.1527
150	HEAD LENGTH	.1549	.1591	.2270	.1918	.2244	.2192	.2176	.1645	.1841	.2083	.2083	.0074	.0295	.1147	.0826	.1334
151	HEAD DIAGNL/MENTON	.2505	.2550	.3043	.2643	.3020	.2894	.2764	.2140	.2852	.3156	.3156	.0142	.0950	.1791	.1408	.1497
152	HD DIAG/INION-NOSE	.1470	.1495	.2094	.2207	.2044	.2110	.1867	.1666	.1626	.1820	.1820	.0196	.0205	.0965	.0436	.1524
153	EAR BREADTH	.0959	.0940	.1529	.1319	.1484	.1239	.1404	.1086	.1173	.1245	.1245	.0011	.0267	.1021	.0561	.1165
154	EAR LENGTH	.1629	.1590	.2346	.1763	.2221	.1942	.2341	.1680	.2018	.2044	.2044	.0833	.0212	.1192	.0992	.1378
155	EAR L ABOVE TRAGION	.0309	.0280	.0678	.0716	.0513	.0658	.1044	.0921	.0859	.1076	.1076	.0174	.0813	.0438	.0885	.0076
156	HEAD BREADTH	.2205	.2219	.2444	.2002	.2679	.2345	.1996	.1667	.1811	.1676	.1676	.0835	.0770	.0809	.1453	.0699
157	MAXIMUM FRONTAL BR	.2352	.2239	.2466	.1978	.2565	.2527	.2465	.1789	.2369	.2393	.2393	.0364	.0087	.1344	.1397	.0699
158	BITRAGION BREADTH	.2954	.2916	.3398	.3161	.3670	.3477	.2657	.2515	.2386	.2336	.2336	.1134	.0969	.1208	.0924	.2661
159	BIZYGOMATIC BR"OTH	.3707	.3719	.3872	.3230	.4161	.3866	.3254	.2806	.2745	.2543	.2543	.1465	.1066	.1633	.1105	.2318
160	BIGONIAL BREADTH	.3639	.3728	.3687	.2534	.3782	.3470	.3145	.2589	.2220	.1966	.1966	.0971	.0632	.1260	.1351	.1234
161	EAR-TO-EAR BREADTH	.1601	.1525	.1960	.1801	.2144	.1851	.2050	.1570	.2055	.2089	.2089	.0437	.0313	.1328	.1085	.1518
162	BIOCULAR BREADTH	.1472	.1280	.1451	.1033	.1486	.1519	.1824	.1388	.1558	.1618	.1618	.0237	.0132	.1109	.0676	.0408
163	INTERPUPILLARY BRD	.1241	.1190	.1443	.1113	.1466	.1340	.1914	.1175	.1538	.1656	.1656	.0425	.0223	.0977	.0731	.0593
164	INTEROCULAR BR"OTH	.1044	.0963	.1368	.1113	.1476	.1281	.1658	.0963	.1269	.1381	.1381	.0394	.0618	.0588	.0543	.1186
165	NOSE BREADTH	.1662	.1627	.1988	.1703	.2157	.2025	.1880	.1527	.0995	.1135	.1135	.1251	.0269	.1066	.0047	.2144
166	LIP LENGTH	.1459	.1473	.1869	.1485	.1872	.1881	.1474	.1596	.1339	.1271	.1271	.0155	.0214	.1165	.0527	.1174
167	EAR PROTRUSION	.0555	.0482	.0698	.0363	.0701	.0332	.0923	.0678	.0829	.0924	.0924	.0329	.0025	.0766	.0402	.1136
168	SUBNASALE-NASAL RT	.0189	.0157	.0800	.1098	.0861	.0844	.1344	.1478	.1431	.1523	.1523	.0628	.0443	.0673	.0200	.1369
169	PHILTRUM LENGTH	.1126	.1135	.1145	.0992	.1360	.1143	.1338	.0827	.0300	.0312	.0312	.0913	.0067	.0479	.0193	.0976
170	LIP-TO-LIP LENGTH	.0587	.0526	.0677	.0641	.0789	.0686	.0521	.0734	.0061	.0499	.0499	.0609	.0390	.0106	.0076	.0968
171	MENTON-SUBNASALE L	.1304	.1328	.1394	.1485	.1587	.1504	.1204	.0726	.1222	.1531	.1531	.0367	.0031	.0000	.0656	.0692
172	MENTON-NASAL ROOT	.1425	.1378	.1841	.2047	.1999	.1933	.1973	.1608	.2054	.2391	.2391	.0044	.0238	.0594	.0720	.1347
173	GLABELLA-TO-VERTEX	.0102	.0059	.0362	.0358	.0397	.0116	.0203	.0413	.0651	.0408	.0408	.1092	.1037	.0055	.1261	.0962
174	NASAL ROOT-TO-VRTX	.0225	.0339	.0095	.0090	.0052	.0299	.0248	.0586	.1085	.0931	.0931	.1114	.1234	.0449	.1441	.0733
175	XTRNL CANTHUS-VRTX	.0384	.0563	.0282	.0092	.0244	.0367	.0488	.0780	.1310	.1104	.1104	.0838	.1061	.0507	.1395	.0522
176	PRONASALE-TO-VRTX	.0071	.0028	.0002	.0042	.0051	.0175	.0475	.0761	.1241	.1086	.1086	.1235	.1256	.0637	.1329	.0751
177	SUBNASALE-TO-VRTX	.0126	.0234	.0235	.0166	.0181	.0380	.0671	.0856	.1515	.1385	.1385	.1327	.1381	.0829	.1546	.0742
178	STOMION-TO-VERTEX	.0282	.0384	.0451	.0347	.0417	.0563	.0892	.0904	.1540	.1485	.1485	.1131	.1395	.0946	.1413	.0543
179	MENTON-TO-VERTEX	.0878	.0975	.1016	.1016	.1024	.1044	.1191	.1309	.1237	.1944	.2020	.0846	.1207	.0797	.1557	.0006
180	TRAGION-TO-VERTEX	.0818	.1027	.0768	.0588	.0839	.0795	.0631	.0977	.1353	.1225	.1225	.0453	.0416	.0321	.1193	.0497

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967															
	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
181 GLABELLA-TO-WALL	.1950	.1767	.2410	.2053	.2384	.2337	.2317	.1679	.1991	.2252	.0055	.0494	.1352	.1039	.1382
182 NASAL ROOT-TO-WALL	.1753	.1677	.2334	.2046	.2329	.2263	.2318	.1647	.1955	.2244	-.0004	.0460	.1210	.0885	.1390
183 XTRNL CANTHUS-WALL	.1429	.1339	.1958	.1525	.1993	.1876	.1655	.1255	.1257	.1457	-.0425	.0053	.0802	.0513	.1432
184 PRONASALE-TO-WALL	.1906	.1789	.2633	.2396	.2662	.2485	.2505	.1695	.1965	.2341	-.0264	.0100	.1250	.0618	.1848
185 SUBNASALE-TO-WALL	.1903	.1838	.2565	.2263	.2578	.2311	.2138	.1387	.1564	.1962	-.0426	-.0032	.0974	.0455	.1958
186 LIP PROMIN-CE-WALL	.2110	.2048	.2692	.2336	.2720	.2426	.2131	.1348	.1465	.1905	-.0723	-.0222	.1011	.0371	.2108
187 CHIN PROMINCE-WALL	.2456	.2406	.3031	.2603	.3058	.2891	.2361	.1675	.1621	.2001	-.1050	-.0536	.1064	.0512	.2432
188 TRAGON-TO-WALL	.0932	.0828	.1189	.0974	.1281	.0908	.0899	.0717	.0315	.0503	-.0172	-.0331	.0227	-.0074	.1368
189 GUESSED HEIGHT	.2003	.1994	.3445	.3848	.2992	.3150	.3491	.2841	.6275	.7402	.2700	.1916	.3355	.4034	.1421
190 GUESSED WEIGHT	.7442	.7524	.7671	.5944	.7690	.6995	.5796	.5183	.5851	.6117	-.1466	-.0291	.2955	.3149	.3789

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
1 AGE	.1237	.2094	.1511	.0716	.0197	.0338	-.0383	.0398	.0528	.0780	.0932	.0101	.0015	.0271	.135
2 WEIGHT	.6777	.7242	.4131	.4711	.4482	.4543	.5523	.6186	.6648	.4842	.3364	.3277	.3889	.3315	.3315
3 SKF SUBSCAP**R-LNGE	.3067	.3594	.4150	.1257	.0166	.0459	.0261	.1006	.1894	.1617	.0652	.0978	.0375	.0318	-.0166
4 SKF TRICEPS-LANGE	.2639	.3178	.4036	.1757	.0668	.0857	.0714	.0995	.1659	.1847	.0458	.1082	.0569	.0189	.0153
5 SKF JUX**NIPPLE-LGE	.2988	.3922	.4533	.1467	.0319	.0629	.0320	.1044	.2065	.1852	.0798	.1059	.0366	.0118	-.0011
6 SKF MAL XIPH**D-LGE	.3512	.3701	.4511	.1135	.0259	.0592	.0460	.1063	.1968	.1750	.0426	.0920	.0238	.0287	-.0100
7 SKF SUPRAILIAC-LGE	.3510	.3257	.4626	.1365	.0543	.0789	.0920	.1313	.2154	.2045	.0472	.1145	.0531	-.0086	-.0086
8 SKF SUPRAPATELLA-L	.2592	.2993	.3939	.1229	.0424	.0744	.0899	.1609	.2119	.2193	.0781	.0679	.0550	.0022	-.0035
9 SKF SUBSCAP**R-HARP	.3069	.3490	.4329	.0960	.0237	.0529	.0379	.1056	.2004	.1717	.0674	.0920	.0299	.0277	-.0080
10 SKF TRICEPS-HARP**N	.2553	.3216	.4443	.1348	.0587	.0794	.0735	.1236	.1822	.1843	.0740	.1082	.0521	.0210	.0188
11 SKF SUPRAILIAC-HPN	.3545	.3134	.4520	.1316	.0523	.0777	.0986	.1266	.2168	.1993	.0328	.1144	.0549	-.0079	-.0086
12 GRIP STRENGTH	.3557	.1713	.2381	.1993	.3659	.3354	.3360	.3652	.3545	.3920	.3335	.1754	.2300	.3788	.2849
13 HEIGHT (STATURE)	.4375	.4115	.3931	.5901	.6786	.6004	.4279	.4467	.4656	.6333	.4684	.4462	.4253	.6506	.5345
14 CERVICAL HEIGHT	.4511	.4006	.4011	.6409	.6793	.6055	.4077	.4244	.4535	.6297	.4423	.4382	.4108	.6432	.5263
15 ACROMION HEIGHT	.4390	.4029	.4272	.5774	.6636	.5897	.4081	.4276	.4606	.6224	.4460	.4434	.4046	.6355	.5249
16 RADIALE HEIGHT	.4236	.4364	.4541	.5796	.6279	.5507	.3991	.4183	.4528	.5979	.4323	.4420	.3966	.5887	.4850
17 STYLION HEIGHT	.3592	.4075	.4370	.5441	.5465	.4780	.3513	.3903	.4202	.5404	.4003	.4255	.3694	.4918	.4059
18 DACTYLION HEIGHT	.3186	.4070	.4285	.5190	.4252	.3871	.2311	.3175	.3511	.4544	.3319	.3869	.3195	.3306	.2805
19 SUPRASTERNALE HGHT	.4597	.4773	.4338	.5647	.6717	.6072	.4203	.4437	.4741	.6385	.4603	.4422	.4168	.6434	.5278
20 NIPPLE HEIGHT	.3839	.3902	.3852	.5124	.6440	.5690	.3839	.3981	.4308	.5873	.4173	.4286	.3928	.6309	.5148
21 WAIST HT-OMPHALION	.3703	.1665	.3814	.3935	.6587	.5804	.3770	.3987	.4292	.5948	.4094	.4335	.3825	.6419	.5289
22 ILIOCRISTALE HT	.4217	.2716	.3564	.4354	.6723	.6039	.3871	.4027	.4476	.6132	.4042	.4393	.3685	.6392	.5245
23 BUTTOCK HEIGHT	.3542	.2243	.2789	.3774	.6302	.5476	.3384	.3571	.4035	.5581	.3532	.4177	.3285	.6165	.5118
24 TROCHANTERION HGHT	.3716	.2242	.2759	.4127	.6494	.5772	.3553	.3603	.4009	.5715	.3710	.4151	.3487	.6315	.5115
25 GLUTEAL FURROW HGHT	.3506	.2178	.2325	.3898	.6203	.5499	.3169	.3299	.3768	.5397	.3353	.4266	.3400	.6099	.4987
26 CROTCH HEIGHT	.3180	.1723	.2057	.3736	.6132	.5487	.3277	.3189	.3422	.5173	.3338	.3968	.3199	.5988	.4839
27 PATELLA TOP HEIGHT	.4006	.2668	.2885	.4012	.6538	.6039	.3624	.3944	.4399	.6041	.4209	.4587	.3902	.6369	.5239
28 KNEE CIRC HEIGHT	.3672	.2480	.3030	.4064	.6533	.5842	.3505	.3793	.4340	.6012	.3927	.4514	.3734	.6361	.5237
29 FIBULAR HEIGHT	.3511	.2169	.2779	.3913	.6300	.5524	.3581	.3683	.4153	.5720	.3548	.4400	.3699	.6176	.5063
30 CALF HEIGHT	.2958	.1732	.2778	.3346	.5645	.4705	.2930	.3145	.3633	.4914	.2941	.4191	.3373	.5671	.4634
31 ANKLE HEIGHT	.1977	.1150	.1962	.1531	.4141	.3251	.2578	.3237	.3339	.3893	.3964	.3940	.3337	.4446	.3769
32 SITTING HEIGHT	.3938	.5096	.4352	.6707	.4786	.4175	.3809	.3937	.3776	.4953	.4257	.3265	.4025	.4506	.3671
33 EYE HEIGHT/SITTING	.3752	.5034	.3982	.6506	.4497	.3389	.3517	.3564	.3439	.4561	.3896	.2872	.3708	.4155	.3408
34 MIDSHOULDER HT/SIT	.4061	.5074	.4751	.6837	.4238	.3705	.3565	.3652	.3574	.4685	.3602	.2937	.3624	.3967	.3193
35 ACROMION H*GHT/SIT	.3710	.4858	.4555	.6313	.3818	.3370	.3254	.3299	.3290	.4282	.3238	.2845	.3411	.3596	.2903
36 ELBOW REST HGHT/SIT	.1503	.3772	.3264	.4215	.0455	.0353	.1447	.1398	.1264	.1380	.1151	.0951	.1645	.0164	.0084
37 KNEE HEIGHT/SIT**G	.4523	.3034	.3527	.4378	.6919	.6301	.4213	.4536	.5010	.6654	.4468	.4220	.6539	.5378	.5378
38 POPLITEAL HGHT/SIT	.2984	.1608	.1804	.3654	.6253	.5479	.3430	.3478	.3709	.5293	.3637	.4222	.3759	.6253	.5132
39 BUTTOCK-KNEE LGHT	.4499	.3008	.4556	.3484	.5957	.5537	.3569	.4104	.4645	.5862	.4103	.3599	.2719	.5432	.4537
40 BUTTOCK-POPLITEAL	.4049	.2740	.3915	.3121	.5102	.4784	.3033	.3303	.3743	.4987	.3043	.2991	.2181	.4504	.3735
41 ACRM-BICEP CIR LVL	.2204	.1290	.2245	.2514	.3333	.2408	.2169	.2416	.2542	.3425	.2573	.2565	.2163	.3470	.2937
42 SHOULDER-ELBOW LTH	.3649	.2226	.2536	.3372	.5006	.5056	.3059	.3259	.3538	.5033	.3622	.3166	.3012	.5565	.4610
43 ACROMION-RADIALE L	.3486	.1944	.2367	.3668	.5292	.4456	.2940	.3040	.3311	.4804	.3204	.2984	.2805	.5402	.4494
44 ELBOW-WRIST LENGTH	.3693	.2377	.2517	.3504	.6088	.5501	.3470	.3614	.3878	.5260	.3761	.3215	.3001	.6427	.5348
45 RADIALE-STYLION LH	.3435	.2270	.2401	.3368	.5783	.5298	.3253	.3540	.3756	.5011	.3630	.2878	.2721	.6125	.5084

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
46 ELBOW-GRIP LENGTH	.3478	.2127	.2703	.3582	.6517	.5595	.3620	.3790	.3988	.5432	.4009	.3501	.3224	.7070	.5905
47 THUMB-TIP REACH	.3983	.2583	.2705	.3793	.5545	.5028	.3293	.3414	.3571	.5026	.3524	.3092	.2719	.5757	.4861
48 THUMB-TIP R"CH/XTD	.3647	.2156	.2449	.3163	.5235	.4653	.2942	.3219	.3382	.4627	.3443	.2921	.2577	.5527	.4645
49 SLEEVE INSEAM	.2943	.1804	.1796	.3294	.5398	.4911	.2626	.2613	.2785	.4324	.2953	.2761	.2614	.5540	.4541
50 BIACROMIAL BREADTH	.4822	.2613	.3409	.2146	.3538	.3245	.3004	.3695	.3559	.4183	.3619	.1918	.2577	.3380	.2938
51 BIDEULTOID BREADTH	.6420	.4047	.5698	.2164	.3067	.3006	.3198	.4269	.4536	.4802	.3540	.2243	.2392	.2553	.2301
52 CHEST BREADTH	.5824	.3919	.5283	.1804	.2700	.2598	.2918	.3877	.4315	.4353	.3276	.1834	.1829	.2224	.2063
53 WAIST BROTH-OMPH"IN	.5470	.4938	.5931	.2953	.2953	.2937	.2953	.3357	.4498	.4662	.3308	.2290	.1900	.2274	.2077
54 BICRISTALE BREADTH	.4429	.4221	.3890	.3178	.3474	.3452	.2636	.3334	.3668	.4386	.3258	.2164	.2053	.2920	.2428
55 HIP BREADTH	.5008	.4440	.6093	.3279	.3931	.3809	.3676	.4357	.4952	.5286	.3900	.2489	.2933	.3088	.2706
56 HIP BREADTH SITTING	.5136	.4745	.6418	.3179	.3498	.3463	.3678	.4315	.4743	.5116	.3561	.2354	.2467	.2578	.2314
57 ELBOW BROTH BONE/L	.3684	.2926	.3217	.3108	.4130	.3837	.3171	.3780	.4010	.4687	.4336	.2372	.2863	.4302	.3613
58 ELBOW BROTH BONE/R	.3771	.2942	.3206	.3282	.4369	.4020	.3596	.4176	.4348	.5070	.4582	.2621	.3433	.4416	.3664
59 F"ARM-F"ARM BR"OTH	.5350	.3543	.4861	.1525	.2247	.2327	.2561	.3381	.3770	.4318	.5070	.4582	.2621	.3433	.4416
60 KNEE BR"OTH BONE/R	.4406	.3514	.4624	.3628	.4786	.4480	.4436	.5175	.5690	.6351	.6175	.2963	.1734	.1649	.1499
61 KNEE BR"OTH BONE/L	.4491	.3622	.4640	.3759	.4873	.4553	.4437	.5149	.5642	.6354	.6192	.2984	.4367	.4077	.3431
62 CHEST DEPTH	.5131	.4150	.5343	.2104	.2445	.2542	.2220	.3289	.4095	.4076	.2911	.2094	.1407	.2004	.1877
63 WAIST DEPTH-OMPH"IN	.4622	.5126	.5180	.2338	.1848	.1993	.1302	.2794	.3604	.3545	.2435	.1810	.1268	.1189	.1180
64 BUTTOCK DEPTH	.4771	.4499	.6467	.2167	.2260	.2228	.2724	.3700	.4379	.4218	.2861	.2138	.1595	.1662	.1534
65 THIGH CLEARANCE HT	.4801	.3745	.5693	.2067	.1766	.1858	.2851	.3370	.4054	.3860	.2148	.1632	.1425	.0948	.0792
66 NECK CIRC -MAXIMUM	.5516	.3704	.4950	.2596	.2385	.2283	.2784	.3742	.4065	.4137	.3087	.2024	.2033	.2079	.1698
67 SHOULDER CIRCUM"CE	.6769	.4254	.5943	.3151	.3075	.3532	.4387	.4837	.5031	.5353	.3532	.2262	.2469	.2576	.2241
68 CHEST CIRC AT SCYE	.6337	.3937	.5767	.1596	.3013	.2955	.3142	.4370	.4958	.4784	.3735	.2394	.2106	.2594	.2420
69 CHEST CIRCUMF"ENCE	.6000	.4230	.5775	.1753	.2932	.2971	.3482	.4022	.4778	.4665	.3577	.2142	.1587	.2345	.2171
70 WAIST CIRC-OMPHAL"IN	.5453	.5386	.5800	.2951	.2468	.2543	.2542	.3315	.4155	.4244	.2626	.2048	.1600	.1664	.1543
71 WAIST CIRC-OMPH/SIT	.5242	.5097	.5697	.2485	.2243	.2336	.2364	.3243	.4050	.4039	.2699	.1902	.1496	.1476	.1437
72 BUTTOCK CIRCUMF"CE	.5716	.5031	.7134	.3285	.3546	.3523	.3832	.4621	.5246	.5465	.3870	.2641	.2680	.2657	.2340
73 BUTTOCK CIRCUM/SIT	.5495	.5276	.5618	.3357	.3284	.3239	.3517	.4285	.4885	.5394	.4805	.3291	.3487	.4090	.3470
74 VERTICAL TRUNK CIRC	.5666	.6201	.7922	.5778	.4620	.4218	.4096	.4664	.5021	.5663	.4654	.3291	.3487	.4090	.3470
75 VERT TRUNK CIRC/SIT	.5364	.6004	.5943	.5996	.4526	.4136	.4003	.4664	.5021	.5663	.4654	.3291	.3487	.4090	.3470
76 SCROTAL-A-ANT WAIST	.3317	.2486	.6278	.2182	.2645	.2312	.2609	.2910	.3376	.3606	.3081	.2353	.2182	.2478	.2097
77 SCROTAL-A WAIST/S	.2306	.1306	.4885	.2832	.3072	.2551	.2741	.3132	.2959	.3554	.3122	.2302	.2773	.3004	.2413
78 SCRTL-SUPRASTERNLE	.4795	.7423	.6066	.4699	.3411	.3327	.3224	.3635	.4123	.4562	.3840	.2627	.2779	.3055	.2511
79 SCRTL-SUPRASTERNLE/S	.4032	.6213	.4852	.5073	.3602	.3287	.3358	.3532	.3494	.4414	.3657	.2370	.3192	.3403	.2711
80 SCRTL-ANT SCYE LVL	.3763	.5749	.5591	.4937	.3186	.3016	.2869	.3251	.3776	.4126	.3463	.2527	.2754	.2898	.2470
81 SCRTL-ANT SCYE L/S	.2473	.3768	.3753	.4738	.3085	.2736	.2786	.2822	.2725	.3481	.2914	.2021	.2875	.2977	.2443
82 SCRTL-A MIDSHOULDR	.5082	.6666	.6251	.5198	.3734	.3553	.3485	.3835	.4381	.4890	.3726	.2688	.2780	.3260	.2696
83 SCRTL-A MIDSHOULDR/S	.4411	.5297	.4958	.5402	.3995	.3655	.3687	.3711	.3798	.4783	.3562	.2508	.3163	.3584	.2862
84 SCROTAL-A-ANT WAIST	.3854	.2760	.6751	.1226	.2375	.2200	.2320	.3154	.3789	.4783	.3562	.2508	.3163	.3584	.2862
85 SCRTL-WAIST OVR BK	.3797	.2486	.6555	.1575	.2941	.2654	.2719	.3703	.3789	.4783	.3562	.2508	.3163	.3584	.2862
86 SCROTAL-P WAIST/S	.3223	.2176	.6191	.0508	.1822	.1604	.1726	.2369	.2960	.2973	.2302	.1664	.1667	.1387	.1384
87 SCRTL-WAIST/BUTTS	.3233	.2052	.6407	.0646	.2080	.1890	.2105	.2636	.3218	.3252	.2517	.1853	.1853	.1647	.1573
88 SCROTAL-CERVICALE	.4891	.5210	.6141	.6517	.4060	.3773	.3344	.3850	.4031	.5055	.3531	.2806	.3042	.3257	.2710
89 SCROTAL-CERVICALE/S	.4761	.5530	.5819	.6393	.3808	.3552	.3086	.3580	.4133	.4802	.3432	.2769	.2851	.3074	.2645
90 SCRTL-PST SCYE LVL	.3615	.4305	.5783	.5070	.3234	.2826	.2712	.3246	.3370	.4199	.2959	.2593	.2605	.2564	.2159

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

91	SCRTL-PST SCYE L/S	.3497	.4695	.5428	.4935	.2968	.2616	.2465	.2985	.3542	.3979	.2793	.132	.133	.134	.135
92	SCRTL-P MIDSHOULDR	.5216	.5088	.6643	.5335	.4042	.3703	.3576	.4381	.4592	.5316	.4131	.3006	.3058	.3369	.2069
93	SCRTL-MOHLDR OVR B	.4994	.4710	.6329	.5413	.4348	.3879	.3713	.4619	.4759	.5491	.4423	.3118	.3332	.3725	.3121
94	SCRTL-P MOHLDR/S	.5040	.5385	.5206	.5198	.3764	.3439	.3292	.4001	.4530	.5011	.3894	.3069	.2868	.3191	.2711
95	SCRTL-MOHLDR O B/S	.4942	.5166	.6224	.5331	.4013	.3639	.3547	.4114	.4625	.5183	.4062	.3102	.3070	.3433	.2960
96	UPPER THIGH CIRCUM	.4883	.4004	.5833	.1943	.2308	.2401	.3136	.4076	.4715	.4520	.3250	.2063	.1829	.1524	.1415
97	UPPER THIGH C/SIT	.5173	.4251	.6774	.2199	.2565	.2578	.3330	.4227	.4867	.4747	.3298	.2171	.1958	.1761	.1614
98	KNEE CIRCUMFERENCE	.5477	.4576	.6368	.3554	.4520	.4303	.4449	.5297	.6012	.6504	.5305	.3885	.3747	.3061	.3061
99	KNEE CIRCUMF/C/SIT	.5468	.4391	.6473	.3317	.4611	.4456	.5492	.6232	.6499	.5252	.3134	.3383	.3704	.3140	.3140
100	CALF CIRCUMF/RIGHT	.4802	.3436	.5574	.1975	.3351	.3268	.4181	.5365	.6113	.5834	.4784	.2175	.2886	.2289	.2009
101	CALF CIRCUMF/LEFT	.4837	.3492	.5638	.2040	.3406	.3287	.4217	.5320	.5986	.5842	.4617	.2421	.2818	.2443	.2142
102	ANKLE CIRCUMF/ENCE	.4312	.3084	.5249	.2580	.4587	.4125	.4854	.6026	.6780	.7072	.6131	.2823	.3527	.3478	.2954
103	SCYE CIRCUMF/ENCE	.5689	.3968	.5117	.2744	.3243	.3034	.3377	.4183	.4537	.4739	.3561	.2543	.2515	.2970	.2516
104	BICEPS C-EXTEND/RT	.5510	.3916	.5613	.1658	.1845	.2133	.2910	.3925	.4483	.4158	.3159	.1913	.1693	.1542	.1393
105	BICEPS C-EXTEND/LT	.5521	.3922	.5673	.1679	.1833	.1351	.2324	.3844	.4410	.4097	.2871	.1989	.1660	.1409	.1326
106	BICEPS C-FLEXED/RT	.5591	.3646	.5347	.1915	.2172	.2265	.3170	.4005	.4463	.4242	.3123	.1994	.1822	.1807	.1573
107	BICEPS C-FLEXED/LT	.5732	.3853	.5413	.1974	.2153	.2204	.3170	.3964	.4394	.4244	.2980	.2144	.1867	.1729	.1536
108	ELBOW CIRC-EXTENDED	.5668	.4233	.5288	.3065	.3742	.3545	.4148	.4979	.5320	.5509	.4476	.2896	.3093	.3534	.2884
109	ELBOW CIRC-FLEXED	.4781	.2730	.4031	.2366	.3764	.3511	.3692	.4436	.4527	.4750	.4049	.2789	.2866	.3801	.3330
110	LOWER ARM C-EXTEND	.5745	.4104	.5387	.2739	.3420	.3324	.4099	.4994	.5414	.5383	.4409	.2661	.2986	.3173	.2521
111	LOWER ARM C-FLEXED	.5559	.3438	.4740	.2477	.3400	.3268	.4080	.4896	.5126	.5120	.4196	.2523	.2908	.3293	.2763
112	WRIST CIRCUMF/ENCE	.4612	.3676	.4350	.3205	.4291	.4006	.4282	.4935	.5422	.5816	.4956	.2475	.2601	.4067	.3314
113	SLVE L/SPINE-SCYE	.5717	.2897	.4470	.2087	.2686	.2366	.2698	.3273	.3808	.3922	.3097	.1678	.2104	.2310	.2125
114	SLVE L/SPINE-ELBOW	.5613	.3240	.4195	.4029	.5063	.4541	.3512	.3878	.4151	.5346	.3827	.2828	.3257	.4720	.3964
115	SLVE L/SPINE-WRIST	.5618	.3312	.3996	.4377	.6082	.5541	.4070	.4315	.4654	.6023	.4236	.3176	.3496	.5976	.4977
116	ANTERIOR NECK LGTH	-1088	-2551	-1349	.1605	.1674	.0764	.0573	.0262	.0003	.0461	.0877	.0917	.1017	.1674	.1291
117	POSTERIOR NECK LGTH	-0084	.0855	-0851	-0482	.0988	.0851	.1006	.0518	.0429	.0545	.0418	.0368	.0726	.1254	.1064
118	SHOULDER LENGTH	.3436	.1372	.2287	.2394	.3007	.2354	.2198	.2499	.2384	.3124	.2409	.0851	.1800	.2977	.2544
119	DELTOID ARC	.2076	.1852	.2090	.2962	.3023	.2397	.1873	.1835	.1954	.3013	.1877	.2418	.2381	.2636	.2012
120	INTERSCYE	.3568	.1390	.3224	.0100	.1710	.1695	.1488	.2605	.2834	.2587	.2544	.1364	.0976	.1670	.1571
121	INTERSCYE MAXIMUM	.4301														
122	WAIST FRONT-OMPH"N	.4301	.3252	.2040	.3959	.8941	.8941	.4206	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210
123	CROTCH LGTH-OMPH"N	.4631	.3252	.2040	.3959	.8941	.8941	.4206	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210
124	WAIST BACK-OMPHL"N	.3533	.5323	.2040	.3959	.8941	.8941	.4206	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210
125	FOOT LENGTH	.3897	.2589	.3142	.3959	.5224	.5491	.5829	.7501	.5722	.2935	.3083	.7538	.6172		
126	INSTEP LENGTH	.3933	.2769	.2735	.3655	.8941	.4206	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210	
127	FOOT BREADTH	.3557	.2412	.3275	.2686	.5224	.4206	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210	
128	BALL-OF-FOOT CIRC	.4070	.2637	.4199	.2603	.5491	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.5210		
129	INSTEP CIRCUMF/NCE	.4418	.2895	.4743	.2643	.5829	.5217	.6322	.7736							
130	HEEL CIRCUMFERENCE	.4990	.3447	.4892	.3951	.7501	.6873	.5023	.7072	.7838						
131	BI-MALLEOLAR BROTH	.3574	.2701	.3979	.2733	.5722	.5169	.4862	.5999	.6317	.6769					
132	LAT"L MALLEOLUS HT	.2194	.1592	.2819	.2380	.2935	.2106	.2817	.3370	.3583	.4098	.2602				
133	MED"L MALLEOLUS HT	.2710	.2076	.2639	.2861	.3083	.2178	.3306	.4050	.3979	.4558	.3617	.5929			
134	HAND LENGTH	.3374	.2093	.2749	.3325	.7538	.6331	.4663	.4993	.5049	.6185	.5019	.3329	.3601		.8445
135	PALM LENGTH	.2829	.1637	.2389	.2663	.6172	.5210	.3846	.4203	.4310	.5283	.4277	.2814	.3022		.8445

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

136	HAND BR/METACARPLE	.3768	.2631	.3091	.2900	.4848	.4351	.5184	.5501	.5350	.5684	.4698	.2373	.3142	.5254	.4201
137	HAND BRTH AT THUMB	.3882	.2421	.3326	.2716	.5187	.4562	.5044	.5818	.5811	.5894	.5251	.2668	.3342	.5606	.4879
138	HAND C/METACARPALE	.4319	.2847	.3668	.2887	.5192	.4658	.5647	.6195	.6192	.6159	.5418	.2545	.3277	.5471	.4217
139	HAND C ROUND THUMB	.4940	.3286	.4282	.3172	.5446	.4870	.5624	.6569	.6633	.6587	.5758	.2816	.3656	.5545	.4484
140	HAND THICK/MET-A-3	.2257	.1724	.1810	.2006	.2303	.1992	.2415	.2655	.2828	.2873	.2174	.1110	.1858	.2265	.1597
141	HEAD CIRCUMFERENCE	.3031	.2248	.2302	.1802	.2944	.2504	.2778	.3353	.3419	.3653	.2874	.1506	.1613	.2853	.2334
142	SAGITTAL ARC/INION	.0731	.0603	.0736	.0515	.1162	.0959	.1306	.1235	.1103	.1538	.1050	.0647	.0856	.0998	.0327
143	MINIMUM FRONTL ARC	.1299	.0918	.1475	.0761	.1060	.0811	.1488	.1511	.1562	.1572	.1552	.1058	.0718	.1089	.0802
144	BITRAGON-CORONAL	.2103	.1817	.1918	.1968	.2111	.1984	.1808	.1951	.2032	.2501	.1514	.0946	.0791	.1904	.1743
145	BITRAGN-MIN FRNTAL	.2897	.1890	.2491	.2145	.2909	.2612	.2856	.3085	.3060	.3333	.2315	.1374	.1581	.2640	.2200
146	BITRAGN-N-SUBNASALE	.3564	.2452	.3373	.1765	.3024	.2842	.2862	.3531	.3739	.3841	.3293	.2058	.2072	.2821	.2046
147	BITRAGON-MENTON	.4282	.3147	.3829	.2508	.3307	.3170	.3272	.4038	.4124	.4364	.3613	.2311	.2415	.3119	.2412
148	BIT-SUBMANDIBULAR	.4208	.3705	.4166	.2433	.2744	.2576	.2440	.3140	.3501	.3696	.3254	.2156	.2150	.2541	.2020
149	BITRAG-N-POSTERIOR	.2252	.1849	.2117	.1570	.1558	.1504	.1348	.1678	.1921	.2244	.1551	.0909	.0968	.1663	.1540
150	HEAD LENGTH	.1979	.1377	.1943	.1285	.2341	.2041	.2339	.2665	.2622	.2856	.2214	.1501	.1444	.2461	.1957
151	HEAD DIAGNL/MENTON	.2939	.2210	.2488	.2369	.3204	.2882	.3097	.3456	.3243	.3925	.2818	.2153	.2145	.3066	.2426
152	HD DIAG/INION-NOSE	.1827	.1341	.1721	.1332	.2048	.1765	.1652	.2352	.2253	.2450	.2179	.1323	.1216	.2234	.2176
153	EAR BREADTH	.1375	.1169	.1786	.0980	.1887	.1605	.1286	.1813	.1781	.1946	.2402	.1243	.1141	.1584	.1428
154	EAR LENGTH	.2148	.2592	.2366	.2021	.2102	.1922	.1733	.2164	.2186	.2585	.2491	.1243	.1322	.2049	.1907
155	EAR L ABOVE TRAGION	.0500	.0420	.0749	.0674	.1209	.0816	.1063	.1230	.1170	.1149	.1219	.0640	.0782	.1291	.1330
156	HEAD BREADTH	.2340	.1601	.1920	.1316	.1777	.1692	.1535	.1962	.2091	.2147	.1850	.0517	.1081	.1402	.1208
157	MAXIMUM FRONTAL BR	.2488	.1682	.1720	.1914	.2469	.2319	.2196	.2171	.2275	.2722	.1723	.0679	.1134	.2086	.1712
158	BITRAGON BREADTH	.2983	.2174	.2983	.1469	.2825	.2612	.2039	.3147	.3310	.3189	.3203	.1347	.1590	.2425	.2266
159	BIZYGOMATIC BR-DTH	.3562	.2689	.3157	.1908	.2775	.2658	.2388	.3099	.3249	.3360	.2857	.1014	.1522	.2238	.1895
160	BIGONIAL BREADTH	.3289	.2824	.2416	.2039	.1618	.1688	.1842	.2039	.2068	.2583	.1201	.0530	.0883	.0981	.0801
161	EAR-TO-EAR BREADTH	.2178	.1899	.2023	.1779	.2222	.1969	.1723	.2253	.2328	.2565	.2597	.0985	.1410	.2114	.1807
162	BIOCULAR BREADTH	.1498	.0735	.1216	.0783	.1744	.1572	.1585	.1467	.1476	.2013	.1378	.0955	.1028	.1277	.0549
163	INTERPUPILLARY BRO	.1606	.0790	.1253	.1041	.1698	.1507	.1364	.1333	.1552	.1951	.1256	.0817	.1005	.1436	.1065
164	INTEROCULAR B3-DTH	.1277	.0269	.1140	.0127	.1528	.1386	.1301	.1756	.1672	.1799	.1734	.0853	.0779	.1528	.1427
165	NOSE BREADTH	.1633	.0932	.1603	.0117	.1373	.1247	.1229	.1978	.2054	.2065	.1899	.0506	.0436	.1771	.1447
166	LIP LENGTH	.1955	.1054	.0990	.0959	.1284	.1284	.1302	.1743	.1645	.1868	.1529	.0420	.0509	.1312	.1075
167	EAR PROTRUSION	.0870	.0917	.1282	.0644	.0980	.0780	.0826	.1192	.1130	.1333	.1753	.0399	.0737	.1070	.0749
168	SUBNASALE-NASAL RT	.1306	.0818	.1170	.1064	.2288	.1915	.1370	.1874	.2124	.2020	.2254	.1309	.1519	.2467	.2395
169	PHILTRUM LENGTH	.0871	.0961	.1313	.0511	.0691	.0669	.0960	.1179	.1228	.1153	.1001	.0588	.0295	.0760	.0330
170	LIP-TO-LIP LENGTH	.0406	.0979	.0656	.0354	.0363	.0275	.0437	.0005	.0042	.0070	.0713	.0053	.0185	.0578	.0449
171	MENTON-SUBNASALE L	.1229	.0693	.1191	.1112	.1618	.1560	.1932	.1849	.1838	.1967	.1309	.1285	.0795	.1586	.1127
172	MENTON-NASAL ROOT	.1973	.1135	.1821	.1691	.2747	.2476	.2569	.2772	.2780	.2931	.2360	.1814	.1625	.2790	.2378
173	GLABELLA-TO-VERTEX	.0119	.0129	.0202	.0462	.0188	.0240	.0500	.0170	.0235	.0318	.0444	.0119	.0011	.0026	.0183
174	NASAL ROOT-TO-VRTX	.0365	.0271	.0191	.0770	.0681	.0217	.0986	.0261	.0237	.0784	.0059	.0483	.0448	.0568	.0373
175	XTRNL CANTHUS-VRTX	.0495	.0551	.0530	.0958	.0800	.0322	.1235	.0583	.0554	.1018	.0070	.0583	.0586	.0690	.0516
176	PONASALE-TO-VRTX	.0420	.0433	.0217	.0974	.1093	.0517	.1253	.0556	.0558	.1029	.0294	.0488	.0725	.0966	.0748
177	SUBNASALE-TO-VRTX	.0672	.0666	.0346	.1275	.1399	.0795	.1462	.0812	.0776	.1337	.0424	.0660	.0324	.1256	.0960
178	STOMION-TO-VERTEX	.0778	.0729	.0547	.1355	.1645	.1058	.1868	.1167	.1142	.1642	.0576	.0857	.0957	.1528	.1184
179	MENTON-TO-VERTEX	.1300	.0968	.0983	.1550	.2040	.1522	.2279	.1773	.1668	.2195	.1125	.1263	.1157	.1943	.1502
180	TRAGION-TO-VERTEX	.0803	.0759	.1077	.0949	.1093	.0779	.1312	.1197	.1165	.1512	.0809	.0821	.0506	.0817	.0736

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
181 GLABELLA-TO-WALL	.2117	.1321	.1933	.1476	.2489	.2158	.2496	.2747	.2709	.3077	.2252	.1485	.1485	.2553	.2003
182 NASAL ROOT-TO-WALL	.2130	.1321	.1919	.1522	.2526	.2205	.2419	.2669	.2708	.3093	.2301	.1566	.1508	.2513	.2010
183 XTRNL CANTHUS-WALL	.1555	.1097	.1622	.1120	.1729	.1587	.1451	.1914	.1903	.2205	.1619	.1218	.0975	.1767	.1366
184 PRONASALE-TO-WALL	.2339	.1585	.2138	.1666	.2695	.2581	.2188	.2815	.2895	.3247	.2709	.1702	.1556	.2738	.2288
185 SUBNASALE-TO-WALL	.2051	.1293	.1972	.1296	.2276	.2286	.1864	.2593	.2693	.2879	.2511	.1624	.1370	.2374	.1984
186 LIP PROMIN"CE-WALL	.2098	.1308	.2008	.1172	.2157	.2213	.1742	.2507	.2643	.2783	.2415	.1535	.1190	.2267	.1850
187 CHIN PROMINCE-WALL	.2455	.1656	.2393	.1382	.1985	.2094	.1583	.2541	.2586	.2731	.2574	.1515	.1244	.2079	.1715
188 TRAGION-TO-WALL	.0804	.0473	.1109	.0522	.0733	.0794	.0433	.0966	.1127	.1260	.1105	.0727	.0458	.0950	.0784
189 GUESSED HEIGHT	.4411	.3806	.3990	.5582	.6656	.5903	.4215	.4379	.4578	.6211	.4641	.4374	.4129	.6353	.5269
190 GUESSED WEIGHT	.6793	.5607	.7035	.4418	.5073	.4798	.4672	.5583	.6167	.6812	.4947	.3503	.3481	.4282	.3666

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1 AGE	.0832	.0882	.1374	.1547	.1568	.1401	-.0726	.0594	-.0587	.0732	.0941	.1731	.2060	.0772	.0541
2 WEIGHT	.4479	.4610	.5104	.5936	.2612	.4116	.1384	.1984	.3000	.3638	.4661	.5432	.5330	.3008	.2609
3 SKF SUBCAP-R-LNGE	.0555	.0592	.0992	.1625	.0539	.1979	.0051	.1436	.1276	.1607	.2638	.3001	.3821	.2286	.0987
4 SKF TRICEPS-LANGE	.0890	.0605	.0750	.1089	.0913	.1493	.0498	.1045	.1174	.1727	.1851	.2197	.2435	.1317	.0672
5 SKF JUX"NIPPLE-LGE	.0672	.0668	.0999	.1449	.0955	.1776	.0039	.1253	.1068	.1446	.2296	.2822	.3659	.1558	.0703
6 SKF MAL XIPH"D-LGE	.0753	.0626	.1097	.1597	.0858	.1598	-.0057	.1183	.1213	.1462	.2345	.2782	.3564	.1801	.0473
7 SKF SUPRAILIAC-LGE	.0876	.0594	.1092	.1602	.0792	.4794	.0317	.1352	.1668	.1712	.2529	.2783	.3338	.1951	.0838
8 SKF SUPRAPATELLA-L	.1298	.1200	.1475	.1808	.1214	.1598	.0582	.1223	.0928	.1374	.1850	.2398	.2580	.1253	.0780
9 SKF SUBCAP-R-HARP	.0517	.0561	.1073	.1566	.0606	.2064	-.0058	.1285	.1201	.1618	.2604	.2987	.3839	.2336	.1038
10 SKF TRICEPS-HARP"N	.0750	.0619	.0907	.1280	.0817	.1544	.0117	.1206	.1093	.1689	.2178	.2476	.2929	.1607	.0592
11 SKF SUPRAILIAC-HPN	.0974	.0691	.1131	.1579	.0914	.1766	.0386	.1238	.1580	.1677	.2418	.2703	.3271	.1989	.0869
12 GRIP STRENGTH	.4119	.4289	.4483	.5191	.2259	.4832	.0758	.0670	.1374	.1795	.1990	.2281	.1854	.1085	.1449
13 HEIGHT (STATURE)	.4092	.4389	.4415	.4276	.1964	.2339	.1579	.0709	.2664	.2650	.2357	.3111	.2724	.1662	.2490
14 CERVICALE HEIGHT	.4031	.4236	.4047	.4188	.2017	.2822	.1097	.0709	.2320	.2595	.2307	.3047	.2679	.1698	.2172
15 ACROMION HEIGHT	.3966	.4194	.4040	.4157	.1962	.2750	.1184	.0763	.2337	.2621	.2504	.3208	.2851	.1777	.2237
16 RADIALE HEIGHT	.3810	.4033	.3920	.4079	.1877	.2661	.1155	.0696	.2299	.2499	.2531	.3201	.2965	.1789	.2162
17 STYLION HEIGHT	.3323	.3464	.3382	.3521	.1567	.2540	.1193	.0748	.2232	.2285	.2350	.2855	.2712	.1716	.2047
18 DACTYLION HEIGHT	.2527	.2615	.2529	.2692	.1163	.2152	.1021	.0646	.2045	.1982	.2009	.2512	.2403	.1487	.1774
19 SUPRASTERNALE HGHT	.4089	.4308	.4164	.4313	.1969	.2818	.1150	.0660	.2278	.2605	.2535	.3235	.2954	.1768	.2324
20 NIPPLE HEIGHT	.3783	.3977	.3790	.3850	.1702	.2320	.1041	.0618	.2083	.2332	.2165	.2761	.2420	.1590	.2183
21 WAIST HT-OMPHALION	.3600	.3915	.3649	.3654	.1567	.2325	.0962	.0473	.1859	.2217	.1966	.2492	.1977	.1311	.2076
22 ILIOCRISTALE HT	.3714	.3877	.3706	.3738	.1665	.2451	.0947	.0838	.2004	.2407	.2211	.2776	.2293	.1522	.2023
23 BUTTOCK HEIGHT	.3183	.3565	.3187	.3249	.1343	.2153	.0748	.0373	.1702	.1988	.1865	.2412	.1887	.1357	.1787
24 TROCHANTERION HGHT	.3378	.3611	.3359	.3351	.1478	.2266	.0847	.0549	.1768	.2244	.1927	.2467	.1938	.1441	.2010
25 GLUTEAL FURROW HGHT	.3136	.3447	.3042	.3060	.1291	.2028	.0807	.0356	.1689	.1950	.1686	.2201	.1724	.1196	.1749
26 CROTCH HEIGHT	.3085	.3268	.2898	.2805	.1204	.1976	.1115	.0311	.1655	.1830	.1462	.1930	.1296	.0976	.1695
27 PATELLA TOP HEIGHT	.3650	.3914	.3743	.3761	.1676	.2391	.0831	.0738	.1773	.2332	.2251	.2752	.2351	.1468	.2011
28 KNEE CIRC HEIGHT	.3626	.3832	.3644	.3665	.1712	.2340	.0893	.0614	.1871	.2374	.2162	.2651	.2203	.1424	.1965
29 FIBULAR HEIGHT	.3499	.3731	.3391	.3407	.1608	.2360	.1215	.0613	.1963	.2407	.1912	.2464	.1829	.1135	.2023
30 CALF HEIGHT	.2821	.3134	.2863	.2859	.1290	.2096	.0820	.0823	.1699	.2106	.1789	.2349	.1858	.1231	.1776
31 ANKLE HEIGHT	.2184	.2625	.2715	.2770	.0529	.1561	-.0033	.0903	.0642	.1014	.1801	.1975	.1893	.1245	.1338
32 SITTING HEIGHT	.3643	.3907	.3721	.4119	.1983	.2870	.1936	.0668	.2805	.2403	.2209	.3063	.2902	.1643	.2444
33 EYE HEIGHT/SITTING	.3375	.3543	.3441	.3758	.2043	.2868	.1356	.0278	.1642	.1825	.1792	.2514	.2538	.1403	.1934
34 MIDSHOULDER HT/SIT	.3776	.3689	.3683	.4009	.2369	.2430	.1459	.0499	.2081	.2294	.2196	.3081	.2766	.1590	.1898
35 ACROMION H"GT/SIT	.3525	.3321	.3418	.3667	.2305	.2230	.1305	.0568	.1979	.2169	.2044	.2889	.2568	.1448	.1775
36 ELBOW REST HGHT/SIT	.1671	.1335	.1491	.1810	.1343	.0318	.0833	.0083	.0927	.0827	.0994	.1484	.1467	.0650	.0747
37 KNEE HEIGHT/SITT"G	.4002	.4295	.4081	.4244	.1877	.2704	.1152	.0841	.2135	.2708	.2432	.3039	.2452	.1528	.2212
38 POPLITEAL HGHT/SIT	.3191	.3491	.3103	.3044	.1266	.1937	.0913	.0265	.1587	.1990	.1512	.1906	.1223	.0917	.1754
39 BUTTOCK-KNEE LGHT	.3166	.3641	.3575	.3819	.1445	.2680	.0732	.0844	.1832	.2145	.2629	.3175	.2983	.1965	.2082
40 BUTTOCK-POPLITEAL	.2649	.2855	.2815	.2996	.1130	.2244	.0739	.0744	.1822	.1887	.2104	.2554	.2401	.1682	.1571
41 ACRM-BICEP CIR LVL	.1737	.2140	.1993	.2052	.0991	.1427	.0418	.1302	.1088	.1537	.1476	.1741	.1360	.1086	.1297
42 SHOULDER-ELBOW LTH	.3232	.3474	.3308	.3291	.1702	.2181	.0724	.0689	.1629	.2081	.1757	.2448	.2009	.1467	.1738
43 ACROMION-RADIALE L	.3043	.3324	.3070	.3076	.1650	.2016	.0875	.0671	.1614	.2020	.1712	.2337	.1722	.1080	.1605
44 ELBOW-WRIST LENGTH	.3840	.4120	.4004	.3964	.1716	.2109	.0837	.0706	.1615	.2049	.2211	.2731	.2155	.1237	.1773
45 RADIALE-STYLION LH	.3600	.3798	.3630	.3702	.1614	.1366	.0658	.0504	.1327	.1890	.1953	.2435	.1737	.1039	.1531

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
46 ELBOW-GRIP LENGTH	.3998	.4194	.4102	.4011	.1630	.2222	.0800	.0602	.1667	.2098	.2291	.2813	.2203	.149	.150
47 THUMB-TIP REACH	.3282	.3777	.3614	.3712	.1725	.2237	.0585	.0831	.1695	.2239	.2056	.2709	.2312	.1250	.1895
48 THUMB-TIP R"CH/YTD	.2955	.3384	.3233	.3387	.1354	.2221	.0745	.0604	.1458	.2021	.1961	.2408	.1942	.1412	.1973
49 SLEEVE INSEAM	.2710	.2972	.2700	.2635	.1244	.1535	.0512	.0167	.1283	.1490	.1198	.1653	.1038	.0839	.1315
50 BIACROMIAL BREADTH	.2961	.3492	.3462	.3950	.1313	.2509	.0990	.0964	.1930	.2430	.3002	.3457	.3020	.1649	.1789
51 BICELTOLD BREADTH	.3239	.3619	.3913	.4777	.1813	.3233	.1008	.1702	.2354	.3047	.4139	.4775	.4583	.2366	.1959
52 CHEST BREADTH	.3203	.3399	.3671	.4308	.1866	.3132	.0927	.1638	.2152	.2859	.3632	.4314	.4225	.2044	.1892
53 WAIST BROTH-OMPH"N	.2599	.2845	.3303	.3974	.1511	.3101	.0596	.1692	.2148	.2892	.3866	.4390	.4573	.2443	.1635
54 BICRISTALE BREADTH	.2825	.2781	.3132	.3615	.1661	.2740	.0405	.1463	.2054	.2607	.3176	.3659	.3611	.2203	.1489
55 HIP BREADTH	.3294	.3328	.3712	.4285	.1977	.2879	.0762	.1483	.1975	.2790	.3670	.4109	.3773	.2014	.1657
56 HIP BREADTH SITTING	.3129	.3073	.3571	.4113	.1811	.2909	.0900	.1525	.2158	.2799	.3540	.4088	.3867	.2096	.1592
57 ELBOW BROTH BONE/R	.4419	.4379	.4917	.4990	.3025	.2172	.0189	.0857	.1843	.2111	.2079	.2929	.2380	.2224	.1620
58 ELBOW BROTH BONE/L	.4535	.4510	.4870	.5047	.3069	.2237	.0553	.0688	.1730	.2224	.2413	.3171	.2489	.1856	.1733
59 F"ARM-F"ARM BR"DTN	.2999	.3058	.3420	.4164	.1875	.2614	.0520	.1346	.1688	.2414	.3434	.3976	.3962	.1922	.1439
60 KNEE BR"DTN BONE/R	.4478	.4387	.4780	.5237	.2659	.2858	.0974	.1260	.2131	.2731	.3414	.3804	.3419	.2165	.1967
61 KNEE BR"DTN BONE/L	.4494	.4480	.4813	.5290	.2683	.2883	.0964	.1285	.2187	.2771	.3416	.3820	.3416	.2220	.1975
62 CHEST DEPTH	.2858	.3006	.3501	.4226	.2012	.2706	.1013	.1448	.1583	.2329	.3506	.4184	.4474	.2432	.1506
63 WAIST DEPTH-OMPH"N	.2042	.2021	.2639	.3366	.1521	.2715	.0210	.1714	.1612	.2410	.3426	.3912	.4522	.2312	.1447
64 BUTTOCK DEPTH	.2490	.2516	.3050	.3804	.1413	.2948	.0513	.1578	.1784	.2562	.3702	.4227	.4416	.2363	.1726
65 THIGH CLEARANCE HT	.2503	.2561	.2830	.3562	.1546	.2293	.1020	.1233	.1886	.2161	.3041	.3459	.3371	.1900	.1281
66 NECK CIRC -MAXIMUM	.3373	.3351	.4016	.4878	.2279	.4261	.1271	.2337	.2988	.3778	.4655	.5176	.5440	.2986	.2650
67 SHOULDER CIRCUMF"CE	.3777	.3904	.4270	.5174	.2328	.3272	.1055	.1645	.2238	.3055	.4038	.4825	.4479	.2451	.2014
68 CHEST CIRC AT SCYE	.3220	.3655	.4143	.4937	.1718	.3442	.0504	.1627	.2103	.2794	.4188	.4854	.4909	.2462	.2055
69 CHEST CIRCUMF"ENCE	.3111	.3470	.3980	.4711	.1890	.3400	.0514	.1786	.2159	.2813	.4139	.4847	.5034	.2703	.1962
70 WAIST CIRC-OMPHAL"N	.2572	.2476	.3104	.3823	.1779	.3085	.0505	.1814	.2055	.2884	.3832	.4427	.4792	.2532	.1577
71 WAIST CIRC-OMPH"AL"N	.2478	.2459	.3056	.3787	.1680	.2936	.0487	.1814	.1945	.2686	.3729	.4282	.4760	.2461	.1474
72 BUTTOCK CIRCUMF"CE	.3397	.3420	.3954	.4689	.1993	.3303	.0845	.1801	.2290	.3012	.4065	.4697	.4598	.2522	.1947
73 BUTTOCK CIRCUMF"IT	.3447	.3249	.3805	.4431	.2242	.3204	.0898	.1649	.2122	.2945	.3713	.4424	.4394	.2315	.1854
74 VERTICAL TRUNK CIRC	.4098	.4317	.4631	.5212	.2516	.3425	.1080	.1444	.2518	.3087	.3809	.4728	.4868	.2556	.2394
75 VERT TRUNK CIRC/SIT	.3923	.4079	.4468	.5022	.2189	.3266	.1086	.1227	.2421	.2795	.3584	.4409	.4578	.2487	.2296
76 SCROTAL-ANT WAIST	.2117	.2611	.2720	.3231	.1419	.2270	.0419	.1002	.1657	.2102	.2319	.2918	.3204	.1629	.1581
77 SCROTAL-A WAIST/S	.2726	.2819	.2847	.2973	.1527	.1888	.0931	.0682	.1283	.1761	.1880	.2370	.1986	.1073	.1602
78 SCRTL-SUPRASTERNLE	.3124	.3305	.3587	.4195	.2045	.2862	.0716	.1117	.2161	.2475	.3030	.3867	.4447	.2138	.1924
79 SCRTL-SUPRASTERNLE/S	.3561	.3451	.3493	.3879	.2100	.2588	.1171	.0669	.1903	.2222	.2452	.3204	.3226	.1685	.2017
80 SCRTL-ANT SCYE LVL	.2706	.3025	.3134	.3622	.1881	.2510	.0562	.0544	.1983	.2129	.2461	.3299	.3615	.1856	.1704
81 SCRTL-ANT SCYE L/S	.2864	.2862	.2676	.2889	.1711	.2003	.1086	.0014	.1571	.1704	.1550	.2222	.1911	.1206	.1634
82 SCRTL-A MIDSHOULDR	.3550	.3558	.3868	.4411	.2374	.3045	.0993	.1170	.2397	.2834	.3269	.4168	.4410	.2210	.2027
83 SCRTL-A MDHSHLDR/S	.3909	.3673	.3765	.4136	.2481	.2790	.1404	.0817	.2169	.2670	.2742	.3554	.3191	.1741	.2113
84 SCROTAL-ANT PST WAIST	.2381	.2276	.2751	.3229	.1148	.2430	.0469	.1054	.1807	.1878	.2887	.3208	.3522	.2063	.1573
85 SCRTL-WAIST OVR BK	.2827	.2812	.3170	.3663	.1325	.2547	.0822	.1162	.1909	.1980	.2901	.3179	.3352	.2036	.1726
86 SCROTAL-P WAIST/S	.1587	.1810	.2128	.2693	.0973	.2052	.0408	.0707	.1456	.1647	.2345	.2757	.3232	.1350	.1248
87 SCRTL-WAIST/BUTTS	.1764	.1895	.2302	.2846	.0970	.2082	.0371	.0780	.1592	.1730	.2525	.2786	.3173	.1422	.1258
88 SCROTAL-CERVICALE	.3405	.3265	.3690	.4212	.1983	.2892	.0689	.1290	.2567	.2648	.3158	.3825	.4022	.2507	.1975
89 SCROTAL-CERVICALE/S	.2954	.3021	.3467	.4025	.1928	.2874	.0509	.1276	.2406	.2584	.3033	.3784	.4134	.2188	.1780
90 SCRTL-PST SCYE LVL	.2586	.2573	.2898	.3253	.1582	.2595	.0921	.1308	.2277	.2280	.2803	.3324	.3371	.1964	.1732

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
91 SCRTL-PST SCYE L/S	2271	2356	2772	3170	1607	2464	0776	1286	2133	2246	2698	3285	3517	149	150
92 SCRTL-P MIDSHOULDR	3443	3655	4040	4605	1913	3275	0798	1601	2543	2726	3598	4267	4550	1644	1522
93 SCRTL-MOHLDR OVR B	3734	3899	4237	4733	1927	3259	0992	1510	2575	2690	3425	4024	4171	2597	2243
94 SCRTL-P MOHLDR/S	3036	3278	3795	4338	1874	3045	0743	1553	2410	2619	3441	4163	4585	2299	2332
95 SCRTL-MOHLDR O B/S	3137	3407	3865	4391	1822	3048	0758	1431	2407	2681	3474	4101	4327	2240	1978
96 UPPER THIGH CIRCUM	2552	2723	3258	4012	1259	2813	0733	1543	2065	2359	3584	3982	4104	2248	1561
97 UPPER THIGH C/SIT	2877	3024	3433	4224	1502	2903	0730	1546	2070	2497	3611	4111	4156	2263	1605
98 KNEE CIRCUMFERENCE	4312	4208	4805	5383	2455	3241	0948	1809	2321	3032	3840	4489	4410	2480	2135
99 KNEE CIRCUMFERENCE	4255	4369	4771	5361	2315	3223	1018	1830	2211	3055	3922	4528	4446	2267	2159
100 CALF CIRCUMF/RIGHT	3554	3824	4313	5056	1944	2819	0985	1519	2023	2530	3468	3784	3620	1742	1744
101 CALF CIRCUMF/LEFT	3581	3815	4333	5025	1906	2816	0951	1426	2023	2507	3450	3765	3628	1807	1782
102 ANKLE CIRCUMF/ENCE	4496	4600	5158	5622	2450	2907	1140	1971	2102	2752	3512	3837	3459	1822	1946
103 SCYE CIRCUMFERENCE	3597	3672	4202	4910	2047	3099	0847	1407	2084	2945	3995	4583	4559	2346	2011
104 BICEPS C-EXTEND/RT	3401	3482	4148	5042	2084	2917	0759	1551	1847	2529	3808	4360	4447	2284	1618
105 BICEPS C-EXTEND/LT	3140	3136	3779	4624	1939	2919	0843	1621	1930	2563	3831	4315	4403	2319	1584
106 BICEPS C-FLEXED/RT	3786	3816	4441	5357	2253	2833	0883	1667	1811	2602	3735	4244	4242	2234	1649
107 BICEPS C-FLEXED/LT	3489	3502	4046	4929	2075	2748	0913	1595	1990	2530	3776	4274	4281	2223	1591
108 ELBOW CIRC-EXTENDED	4732	4642	5543	6298	2898	3251	0982	1618	2118	2935	4060	4720	4655	2509	2270
109 ELBOW CIRC-FLEXED	4147	4350	4858	5511	2276	2755	0770	1273	1899	2361	3257	3887	3555	1969	1918
110 LOWER ARM C-EXTEND	4715	4720	5654	6536	2869	3405	0987	1738	2223	3030	4241	4846	4827	2663	2244
111 LOWER ARM C-FLEXED	4707	4769	5502	6379	2775	3206	1045	1693	1994	2975	3915	4491	4186	2164	2192
112 WRIST CIRCUMF/ENCE	5311	5257	5720	6208	3119	3017	1314	1774	1511	2861	3227	3720	3443	1889	2176
113 SLVE L/SPINE-SCYE	2898	3247	3397	3953	1717	2489	1129	1158	1439	2410	2630	3290	2980	1252	1645
114 SLVE L/SPINE-ELBOW	3758	4039	3832	4334	2219	2776	1155	1175	2264	2864	2788	3435	2888	1713	1841
115 SLVE L/SPINE-WRIST	4310	4542	4395	4752	2348	2889	1188	1019	2202	2855	2845	3530	2870	1686	2083
116 ANTERIOR NECK LGTH	0242	0608	0227	0084	0047	0766	0331	-0506	-0195	-0699	-1133	-1409	-2468	-0618	-0074
117 POSTERIOR NECK LGTH	0561	0625	0313	0233	0689	-0177	0752	-0636	-0043	-0137	-0328	-0131	-0439	-1046	0295
118 SHOULDER LENGTH	2430	2742	2530	2905	1357	1573	0529	-0530	0886	1317	1543	2000	1488	1307	1147
119 DELTOID ARC	1884	1621	1699	1872	1168	1373	0657	1301	1579	1751	1403	1690	1110	1101	0826
120 INTERSCYE	1530	2172	2431	2876	0388	2044	0219	1043	1093	1280	2378	2772	2859	1527	1334
121 INTERSCYE MAXIMUM	3768	3882	4319	4940	2257	3031	0731	1299	2103	2897	3564	4282	4208	2252	1979
122 WAIST FRONT-OMPH"N	2631	2421	2847	3286	1724	2248	0503	0918	1817	1890	2452	3147	3705	1849	1377
123 CROTCH LGTH-OMPH"N	3091	3326	3668	4282	1810	2902	0736	1475	1918	2491	3173	3829	4166	2117	1943
124 WAIST BACK-OMPHL"N	2900	2716	2887	3172	2006	1802	0515	0781	1968	2145	1765	2508	2433	1570	1285
125 FOOT LENGTH	4848	5187	5192	5446	2303	2944	1152	1060	2111	2909	3024	3307	2744	1558	2341
126 INSTEP LENGTH	4351	4562	4658	4870	1992	2504	0959	0811	1984	2612	2842	3170	2676	1504	2041
127 FOOT BREADTH	5184	5044	5647	5624	2415	2778	1306	1488	1808	2856	2862	3272	2440	1348	2339
128 BALL-OF-FOOT CIRC	5501	5818	6195	6569	2655	3353	1235	1511	1951	3085	3531	4038	3140	1678	2665
129 INSTEP CIRCUMF"NCE	5350	5811	6192	6633	2828	3419	1103	1562	2032	3060	3739	4124	3601	1921	2622
130 HEEL CIRCUMFERENCE	5684	5894	6159	6587	2873	3653	1538	1572	2501	3333	3841	4364	3696	2244	2856
131 BI-MALLEOLAR BROTH	4598	5251	5418	5758	2174	2874	1050	1552	1514	2315	3293	3613	3254	1551	2214
132 LAT"L MALLEOLUS HT	2373	2668	2545	2816	1110	1506	0647	1058	0946	1374	2058	2311	2156	0909	1501
133 MED"L MALLEOLUS HT	3142	3342	3277	3656	1858	1513	0856	0718	0791	1581	2072	2415	2150	0968	1444
134 HAND LENGTH	5254	5606	5471	5545	2265	2853	0998	1039	1904	2640	2821	3119	2541	1663	2461
135 PALM LENGTH	4201	4879	4217	4484	1597	2334	0327	0802	1743	2200	2046	2412	2020	1540	1957

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

136	HAND BR/METACARPLE	.7182	.8118	.7422	.3686	.2502	.0689	.1249	.1881	.2636	.2435	.146	.147	.148	.149	.150
137	HAND BRTH AT THUMB	.7182	.8118	.7422	.3686	.2502	.0689	.1249	.1881	.2636	.2435	.146	.147	.148	.149	.150
138	HAND C/METACARPALE	.8118	.7064	.8206	.3374	.2896	.1081	.1275	.1937	.2720	.2904	.3515	.2718	.2718	.2718	.2718
139	HAND C ROUND THUMB	.7422	.8206	.8428	.4196	.2983	.0246	.1661	.2195	.3017	.3153	.3828	.3057	.3057	.3057	.3057
140	HAND THICK/METAC-3	.3686	.3374	.4196	.3788	.3568	.1304	.0003	.0790	.1217	.1735	.1165	.1841	.1361	.0598	.1119
141	HEAD CIRCUMFERENCE	.2502	.2896	.2983	.3568	.3568	.1304	.4672	.4138	.5493	.6657	.4633	.3514	.4754	.4754	.4754
142	SAGITTAL ARC/INION	.0689	.1081	.0246	.1039	.0003	.4672	.4138	.1815	.2765	.2233	.2017	.1875	.1474	.0128	.4246
143	MINIMUM FRONTL ARC	.1249	.1661	.1759	.0790	.4138	.1815	.2765	.2233	.2017	.1875	.1474	.0128	.4246	.4246	.4246
144	BITRAGION-CORONAL	.1881	.1937	.2195	.2232	.1217	.5493	.2765	.2438	.4569	.5623	.2185	.1926	.2336	.2547	.2547
145	BITRAGN-MIN FRNTAL	.2636	.2720	.3017	.3396	.1735	.6657	.2233	.4569	.5623	.5623	.6412	.4846	.2922	.2596	.4868
146	BITRAG-N-SUBNASALE	.2435	.2904	.3153	.3959	.1165	.4845	.2017	.3376	.2185	.6412	.4846	.2922	.2596	.2596	.4868
147	BITRAGION-MENTON	.3063	.3515	.3828	.4505	.1841	.4633	.1875	.2730	.1926	.4846	.7826	.6100	.7364	.2086	.3558
148	BIT-SUBMANDIBULAR	.2190	.2718	.3057	.3848	.1361	.3514	.1474	.2341	.1202	.2922	.6100	.7364	.2086	.2086	.3558
149	BITRAG-N-POSTERIOR	.1666	.1568	.2194	.2372	.0698	.4754	.1028	.1087	.1087	.1087	.1087	.1087	.1087	.1087	.1087
150	HEAD LENGTH	.2094	.2278	.2314	.2676	.1119	.7785	.4246	.3003	.2547	.4868	.3677	.3558	.2297	.4115	.4115
151	HEAD DIAGNL/MENTON	.2735	.3111	.2927	.3351	.1515	.5858	.4501	.2266	.4667	.3961	.3938	.5893	.3899	.2796	.5573
152	HD DIAG/INION-NOSE	.2224	.2120	.2575	.2385	.1425	.4908	.0001	.1682	.2448	.3395	.2618	.2706	.1247	.4044	.5914
153	EAR BREADTH	.0844	.1564	.1472	.1823	.0259	.1587	.0683	.0770	.0090	.0767	.2022	.2290	.2178	.0806	.1106
154	EAR LENGTH	.1927	.2169	.2374	.2431	.1365	.2146	.0036	.1005	.0915	.1939	.2500	.3156	.2893	.2027	.1614
155	EAR L ABOVE TRAGION	.1036	.0948	.0759	.0832	.0712	.1257	.0426	.0173	.0299	.0858	.1231	.1393	.0398	.0876	.1271
156	HEAD BREADTH	.1456	.1667	.1985	.2166	.1085	.5208	.1737	.2309	.5686	.4252	.2984	.2698	.2552	.2018	.0579
157	MAXIMUM FRONTAL BR	.2459	.2525	.2698	.2890	.1572	.3841	.1031	.3599	.3241	.5439	.4714	.3992	.3049	.1168	.1469
158	BITRAGION BREADTH	.2390	.2590	.3181	.3361	.1613	.4238	.0188	.2824	.2824	.4057	.4802	.4716	.4198	.2435	.1261
159	BIZYGOMATIC BR"OTH	.2815	.2851	.3390	.3694	.1983	.4640	.0807	.2809	.3784	.5563	.5756	.5212	.4559	.2147	.1309
160	BIGONIAL BREADTH	.2822	.1954	.2848	.2764	.2374	.2962	.0407	.1675	.2698	.3724	.3596	.3770	.3206	.2261	.1397
161	EAR-TO-EAR BREADTH	.2034	.2085	.2467	.2449	.1114	.3177	.0303	.0954	.2729	.2713	.2358	.2383	.2274	.3282	.1037
162	BIOCULAR BREADTH	.0972	.1255	.0741	.1591	.0065	.2617	.3742	.2832	.0815	.3309	.4007	.2858	.2509	.0851	.1212
163	INTERPUPILLARY BRD	.1082	.0988	.1280	.1502	.0377	.2904	.1726	.3224	.1511	.3904	.3578	.2545	.2092	.0287	.1746
164	INTEROCULAR BR"OTH	.1399	.1451	.1892	.1767	.0449	.2795	.0209	.3305	.1744	.3440	.2799	.2042	.1451	.0990	.1891
165	NOSE BREADTH	.1582	.1850	.2255	.2365	.0945	.2576	.0017	.1568	.1313	.2303	.3394	.3291	.2520	.1577	.1913
166	LIP LENGTH	.1875	.1617	.2316	.2300	.1374	.2481	.0021	.1287	.1274	.2516	.3319	.3418	.2117	.1639	.1972
167	EAR PROTRUSION	.0800	.0988	.1051	.1136	.0114	.0505	.0009	.0083	.0316	.0653	.1060	.1027	.1148	.1277	.0097
168	SUBNASALE-NASAL RT	.1261	.1730	.1740	.1716	.0632	.1733	.0268	.0318	.0927	.1411	.1468	.1513	.1193	.1261	.1358
169	PHILTRUM LENGTH	.0721	.1159	.0870	.1508	.0297	.1404	.1847	.0689	.0131	.1460	.1904	.1873	.2282	.0229	.1113
170	LIP-TO-LIP LENGTH	.0260	.0487	.0354	.0663	.0303	.0261	.0179	.0304	.0669	.0004	.0527	.0855	.0837	.0195	.0286
171	MENTON-SUBNASALE L	.1180	.1414	.1525	.1746	.0513	.2249	.1702	.1366	.1767	.2123	.1826	.3267	.2520	.1568	.2894
172	MENTON-NASAL ROOT	.1878	.2430	.2412	.2594	.1099	.3153	.1186	.1518	.2213	.2894	.1826	.3267	.2520	.1568	.2894
173	GLABELLA-TO-VERTEX	.0500	.0025	.0190	.0253	.0248	.1627	.3753	.0865	.4495	.1687	.0312	.0810	.1435	.0391	.1255
174	NASAL ROOT-TO-VRTX	.0815	.0417	.0226	.0202	.0319	.2189	.3577	.0918	.4852	.2249	.0227	.0243	.0861	.0073	.1796
175	XTRNL CANTHUS-VRTX	.1051	.0732	.0487	.0505	.0478	.2594	.3692	.1125	.5405	.2578	.0346	.0111	.0555	.0343	.1906
176	PRONASALE-TO-VRTX	.1101	.0811	.0552	.0551	.0642	.2465	.3358	.0852	.4499	.2579	.0235	.0078	.0754	.0129	.2054
177	SUBNASALE-TO-VRTX	.1288	.0981	.0758	.0749	.0686	.2752	.3476	.0935	.4908	.2862	.0568	.0205	.0507	.0374	.2266
178	STOMION-TO-VERTEX	.1461	.1250	.1015	.1062	.0819	.3029	.3501	.1018	.4988	.3149	.0925	.0572	.0072	.0615	.2628
179	MENTON-TO-VERTEX	.1771	.1699	.1575	.1612	.0812	.3691	.3767	.1545	.5295	.3528	.1286	.0785	.0190	.3232	.3232
180	TRAGION-TO-VERTEX	.0943	.1143	.0896	.1010	.0367	.3788	.3688	.1546	.6965	.3604	.0834	.0378	.0126	.1020	.2379

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
181 GLABELLA-TO-WALL	.2135	.2340	.2274	.2760	.0940	.7667	.4733	.2955	.2763	.4809	.3892	.3694	.2333	.3883	.9286
182 NASAL ROOT-TO-WALL	.2066	.2357	.2227	.2728	.0896	.7442	.4459	.2694	.2408	.4478	.3894	.3631	.2352	.3799	.9063
183 XTRNL CANTHUS-WALL	.1229	.1603	.1554	.2049	.0617	.6269	.3236	.1758	.1565	.2956	.2946	.3031	.2357	.3833	.7507
184 PRONASALE-TO-WALL	.1945	.2554	.2431	.2942	.0861	.6116	.2994	.2178	.1117	.3142	.4458	.4222	.3183	.3736	.7354
185 SUBNASALE-TO-WALL	.1542	.2200	.2097	.2624	.0539	.5639	.2639	.1936	.0763	.2578	.4486	.4270	.3273	.3557	.6830
186 LIP PROMIN"CE-WALL	.1420	.2114	.2073	.2582	.0582	.5238	.2388	.1865	.0656	.2329	.4431	.4578	.3536	.3428	.6269
187 CHIN PROMINCE-WALL	.1597	.2228	.2335	.2793	.0825	.4460	.1716	.1653	.0310	.1921	.4110	.5313	.4019	.2954	.4889
188 TRAGION-TO-WALL	.0321	.0856	.0766	.1094	-.0149	.4177	.2548	.0770	.0394	-.0432	.0016	.0978	.1266	.3814	.5310
189 GUESSED HEIGHT	.3907	.4299	.4023	.4233	.1799	.2829	.1426	.0772	.2524	.2521	.2303	.3043	.2689	.1735	.2354
190 GUESSED WEIGHT	.4704	.4786	.5207	.5989	.2688	.4110	.1336	.1898	.3022	.3674	.4598	.5326	.5172	.2985	.2701

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
1 AGE	-0.170	.1582	.1805	.3756	.1270	.1222	.0308	.2622	.2331	.2237	.1559	-.0031	.0640	.0219	.2277
2 WEIGHT	.3856	.2473	.1803	.2887	.0942	.3051	.2990	.3973	.4332	.4144	.2684	.1885	.1834	.1567	.1900
3 SKF SUBSCAP--R-LNGE	.1044	.1071	.0699	.1786	.0130	.1627	.1178	.2338	.2803	.3098	.1096	.0469	.0650	.0459	.1172
4 SKF TRICEPS-LANGE	.0872	.0843	.0326	.1799	.0651	.1227	.1093	.1697	.2260	.2924	.0874	.0561	.0596	.0126	-.0002
5 SKF JUX--NIPPLE-LGE	.0868	.0888	.0738	.2383	.0541	.1671	.1074	.2415	.2829	.3223	.1133	.0479	.0653	.0363	.1005
6 SKF MAL XIPH--D-LGE	.0973	.0777	.0484	.1936	.0140	.1566	.1174	.2251	.2338	.3246	.0896	.0615	.0628	.0385	.0791
7 SKF SUPRAILLIAC-LGE	.1496	.0678	.0183	.1057	-.0048	.1553	.1172	.1755	.2488	.2988	.0585	.0705	.0723	.0562	.0133
8 SKF SUPRAPATELLA-L	.1361	.0748	.0359	.1637	.0390	.1461	.1342	.1681	.2260	.2684	.0798	.0953	.0686	.0333	.0739
9 SKF SUBSCAP--R-HARP	.1026	.1117	.0874	.1984	.0278	.1767	.0980	.2507	.2934	.3092	.1100	.0420	.0537	.0558	.1346
10 SKF TRICEPS-HARP--N	.0590	.1057	.0693	.2101	.0472	.1499	.0980	.2298	.2699	.2883	.1149	.0394	.0493	.0340	.0389
11 SKF SUPRAILLIAC--HPN	.1388	.0690	.0104	.1105	.0050	.1471	.1245	.1682	.2458	.3067	.0507	.0649	.0678	.0469	.0125
12 GRIP STRENGTH	.1995	.1232	.0384	.0545	.0174	.0992	.1650	.1258	.1713	.1632	.0984	.1112	.0908	.0760	.0469
13 HEIGHT (STATURE)	.3887	.2042	.1546	.2240	.1216	.1325	.1971	.1849	.1898	.1041	.2104	.1227	.1389	.0953	.0463
14 CERVICALE HEIGHT	.3373	.1900	.1485	.2218	.1125	.1297	.2025	.1852	.1969	.1269	.2053	.1188	.1445	.0919	.0404
15 ACROMION HEIGHT	.3376	.1881	.1582	.2256	.1224	.1398	.2059	.2067	.2088	.1282	.2109	.1231	.1516	.1057	.0505
16 RADIALE HEIGHT	.3344	.1862	.1567	.2168	.1161	.1378	.1992	.1994	.2096	.1341	.2037	.1182	.1440	.0914	.0453
17 STYLION HEIGHT	.3041	.1798	.1457	.1905	.1012	.1401	.1798	.1918	.1989	.1254	.1916	.1036	.1268	.0746	.0295
18 DACTYLION HEIGHT	.2743	.1497	.1244	.1634	.0789	.1142	.1451	.1512	.1667	.1092	.1582	.0774	.1062	.0626	-.0059
19 SUPRASTERNALE HGHT	.3410	.1977	.1610	.2320	.1147	.1277	.1974	.1999	.2091	.1319	.2105	.1168	.1420	.1023	.0691
20 NIPPLE HEIGHT	.3085	.1807	.1402	.1881	.1135	.0369	.1746	.1694	.1630	.0910	.1756	.1009	.1350	.0986	.0436
21 WAIST HT--OMPHALION	.2922	.1759	.1411	.1659	.1088	.0885	.1584	.1522	.1417	.0500	.1641	.1062	.1382	.1131	.0536
22 ILIOCRISTALE HT	.3020	.1739	.1356	.1874	.1143	.1113	.1788	.1696	.1703	.0956	.1692	.1160	.1501	.1190	.0519
23 BUTTOCK HEIGHT	.2735	.1607	.1163	.1656	.1048	.0950	.1566	.1548	.1499	.0665	.1495	.1122	.1400	.1144	.0501
24 TROCHANTERION HGHT	.2815	.1779	.1291	.1763	.1100	.0891	.1596	.1463	.1392	.0683	.1541	.1134	.1469	.1196	.0537
25 GLUTEAL FURROW HGHT	.2622	.1473	.1055	.1487	.0974	.0826	.1523	.1348	.1297	.0570	.1408	.1014	.1330	.1057	.0342
26 GROUCH HEIGHT	.2649	.1256	.0839	.1135	.0937	.0660	.1519	.0918	.0988	.0333	.1127	.1125	.1292	.0999	-.0028
27 PATELLA TOP HEIGHT	.2825	.1751	.1276	.1786	.0932	.1065	.1744	.1810	.1760	.0842	.1718	.1238	.1449	.1255	.0858
28 KNEE CIRC HEIGHT	.2830	.1598	.1141	.1710	.0924	.1024	.1811	.1806	.1651	.0914	.1582	.1314	.1528	.1197	.0730
29 FIBULAR HEIGHT	.2950	.1498	.0960	.1672	.1042	.1040	.1788	.1364	.1431	.0926	.1457	.1377	.1471	.1114	.0525
30 CALF HEIGHT	.2654	.1513	.0927	.1386	.1173	.0757	.1413	.1331	.1254	.0694	.1039	.1003	.1250	.0800	.0614
31 ANKLE HEIGHT	.1519	.1682	.1706	.1428	.0852	.0671	.0490	.2138	.1220	-.0269	.1479	.0460	.0698	.1388	.1485
32 SITTING HEIGHT	.3974	.1728	.1411	.2030	.0851	.1316	.1811	.1581	.1847	.1183	.2048	.0987	.0863	.0256	.0263
33 EYE HEIGHT/SITTING	.3193	.1144	.1175	.1907	.0799	.0752	.1492	.1214	.1499	.1105	.1705	.0763	.0621	.0000	.0031
34 MIDSHOULDER HT/SIT	.3024	.1442	.1288	.2144	.1011	.1334	.2050	.1752	.2188	.2046	.1998	.1094	.1059	.0180	.0215
35 ACROMION H--GHT/SIT	.2766	.1303	.1171	.1980	.0930	.1234	.1325	.1682	.2035	.1971	.1841	.0967	.0970	.0182	.0077
36 ELBOW REST HGHT/SIT	.1387	.0416	.0478	.0886	.0328	.0555	.0834	.0596	.1046	.1590	.0772	.0301	.0081	-.0667	-.0314
37 KNEE HEIGHT/SITTING	.3287	.1831	.1380	.1922	.1128	.1318	.2034	.1934	.1984	.1275	.1800	.1466	.1578	.1264	.0732
38 POPLITEAL HGHT/SIT	.2522	.1400	.0980	.1149	.0972	.0752	.1444	.1062	.0975	.0032	.1359	.1071	.1156	.1059	.0311
39 BUTTOCK-KNEE LGHT	.2996	.1853	.1640	.2026	.0943	.1412	.1505	.2292	.2210	.1182	.1745	.1045	.1320	.1219	.0993
40 BUTTOCK-POPLITEAL	.2575	.1354	.1416	.1676	.0785	.1223	.1601	.1611	.1720	.0980	.1633	.1010	.1216	.0903	.0318
41 ACRM-BICEP CIR LVL	.1614	.0832	.1111	.1154	.0678	.0515	.0945	.0958	.0859	.0213	.0901	.0735	.0996	.1075	.0695
42 SHOULDER-ELBOW LTH	.2514	.1244	.1232	.2016	.0978	.1187	.1636	.1337	.1682	.0802	.1849	.0982	.1325	.1115	.0586
43 ACROMION-RADIALE L	.2372	.1222	.1075	.1700	.1042	.1025	.1541	.1573	.1484	.0714	.1513	.1086	.1330	.1201	.0699
44 ELBOW-WRIST LENGTH	.2513	.1798	.1228	.1570	.1011	.0825	.1791	.1552	.1410	.0681	.1491	.1067	.1265	.1269	.1116
45 RADIALE-STYLION LH	.2418	.1641	.1227	.1867	.1265	.0828	.1693	.1746	.1576	.1019	.1719	.1164	.1335	.1139	.1046

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

46	ELBOW-GRIP LENGTH	.2777	.1886	.1359	.1716	.1019	.0897	.1739	.1814	.1576	.160	.161	.162	.163	.164	.165
47	THUMB-TIP REACH	.2565	.1920	.1207	.2113	.0854	.1066	.1752	.1895	.1876	.1317	.1662	.1119	.1315	.1198	.1061
48	THUMB-TIP R"CH/XTD	.2387	.1895	.1301	.1909	.0958	.0913	.1491	.1696	.1482	.0912	.1468	.0939	.1152	.1001	.1067
49	SLEEVE INSEAM	.2009	.1199	.0831	.1353	.0914	.0394	.1253	.1007	.0896	.0169	.1289	.0890	.1007	.0979	.0431
50	BIACROMIAL BREADTH	.2745	.1765	.1210	.1614	.0359	.1879	.1932	.2559	.2780	.1801	.2000	.1440	.1216	.1352	.1754
51	BIOELTOID BREADTH	.3153	.1839	.1310	.2079	.0460	.2595	.2362	.3512	.4048	.3593	.2145	.1552	.1384	.1456	.1898
52	CHEST BREADTH	.2740	.2244	.1303	.2408	.0562	.2439	.2099	.3472	.3836	.3694	.2206	.1435	.1228	.1363	.1784
53	WAIST BROTH-OMPH"N	.2425	.1969	.1505	.2702	.0632	.2684	.2135	.3712	.4103	.3770	.2381	.1436	.1500	.1435	.1335
54	BIACRISTALE BREADTH	.2284	.1799	.1251	.2160	.0334	.2560	.2075	.3324	.3613	.3102	.2148	.1419	.1383	.1414	.1324
55	HIP BREADTH	.2467	.1789	.1541	.2382	.1017	.2268	.2206	.3254	.3638	.3001	.2241	.1476	.1556	.1286	.0997
56	HIP BREADTH SITTING	.2609	.1679	.1546	.2648	.1034	.2355	.2219	.3118	.3535	.3254	.2271	.1436	.1455	.1227	.0916
57	ELBOW BROTH BONE/R	.2299	.2394	.0935	.2048	.0671	.1264	.1884	.2408	.2377	.2448	.1897	.0401	.0818	.1456	
58	ELBOW BROTH BONE/L	.2475	.2013	.1093	.2085	.1038	.1246	.2150	.2369	.2507	.2524	.2057	.0355	.0506	.0827	.1104
59	F"ARM-F"ARM BR"OTH	.2390	.1496	.0883	.1632	.0358	.2285	.2272	.3067	.3585	.3514	.1657	.1446	.1298	.0989	.1307
60	KNEE BR"OTH BONE/R	.2991	.1847	.1527	.1979	.0801	.2173	.2433	.3017	.3392	.2465	.2357	.1712	.1502	.1439	.1125
61	KNEE BR"OTH BONE/L	.3015	.1870	.1546	.2031	.0753	.2184	.2437	.2971	.3364	.2516	.2380	.1668	.1594	.1430	.1078
62	CHEST DEPTH	.2010	.1944	.1569	.2735	.0715	.2232	.1938	.3511	.3731	.3727	.1903	.1218	.1354	.1242	.2080
63	WAIST DEPTH-OMPH"N	.1780	.1671	.1482	.2687	.0554	.2311	.1764	.3262	.3699	.3748	.1787	.1210	.1339	.1096	.1657
64	BUTTOCK DEPTH	.2317	.1879	.1445	.2278	.0597	.2229	.1731	.3203	.3652	.3436	.1813	.1353	.1198	.1128	.1486
65	THIGH CLEARANCE HT	.2407	.0757	.0401	.0803	.0256	.1918	.1344	.1932	.2797	.3273	.1013	.1351	.1026	.0838	.0955
66	NECK CIRC -MAXIMUM	.3468	.2713	.1367	.2430	.0644	.3469	.3127	.4163	.4881	.4459	.2419	.1876	.1875	.1555	.2694
67	SHOULDER CIRCUM"CE	.3132	.2091	.1244	.2130	.0607	.2445	.2125	.3372	.4013	.4062	.2083	.1709	.1573	.1431	.2003
68	CHEST CIRC AT SCYE	.2759	.2236	.1892	.2631	.0763	.2641	.2224	.3995	.4159	.3501	.2314	.1400	.1515	.1723	.2380
69	CHEST CIRCUMF"ENCE	.2635	.2246	.1750	.2859	.0708	.2705	.2227	.3977	.4208	.3752	.2268	.1328	.1473	.1645	.2238
70	WAIST CIRC-OMPHAL"N	.2279	.1741	.1320	.2751	.0651	.2548	.2253	.3493	.4118	.4184	.2014	.1420	.1560	.1205	.1428
71	WAIST CIRC-OMPH/SIT	.2200	.1678	.1389	.2784	.0690	.2525	.2141	.3491	.4065	.4045	.1963	.1367	.1507	.1171	.1680
72	BUTTOCK CIRCUMF"CE	.2917	.1949	.1571	.2544	.0928	.2516	.2368	.3437	.3941	.3603	.2187	.1565	.1580	.1325	.1383
73	BUTTOCK CIRCUM/SIT	.2778	.1963	.1266	.2726	.0945	.2535	.2362	.3284	.3922	.4025	.2244	.1640	.1601	.1133	.1410
74	VERTICAL TRUNK CIRC	.3445	.2235	.2050	.3104	.1091	.2322	.2438	.3540	.3785	.3190	.2588	.1365	.1468	.1037	.1515
75	VERT TRUNK CIRC/SIT	.3260	.2192	.2089	.2845	.1037	.2168	.2188	.3214	.3380	.2771	.2537	.1216	.1342	.0993	.1161
76	SCROTAL-ANT WAIST	.1983	.1549	.1650	.2339	.0959	.1578	.1312	.2461	.2410	.1720	.1845	.0735	.1101	.0786	.1228
77	SCROTAL-A WAIST/S	.2352	.1502	.0801	.1134	.0417	.0883	.1239	.1438	.1597	.0987	.1332	.0752	.0746	.0296	.0488
78	SCRTL-SUPRASTERNLE	.2717	.1807	.1774	.3062	.0863	.1962	.1798	.2907	.3126	.2774	.2329	.0920	.1123	.0611	.1415
79	SCRTL-SUPRSTERNLE/S	.2857	.1750	.1226	.2351	.0680	.1322	.1718	.1852	.2243	.2137	.1821	.0850	.0953	.0379	.0671
80	SCRTL-ANT SCYE LVL	.2492	.1613	.1732	.2699	.0922	.1766	.1570	.2623	.2693	.2078	.2213	.0741	.0971	.0514	.1009
81	SCRTL-ANT SCYE L/S	.2386	.1367	.0962	.1620	.0654	.0993	.1371	.1286	.1499	.1201	.1466	.0645	.0732	.0262	.0146
82	SCRTL-A MIDSHOULDR	.3040	.1892	.1693	.3101	.1149	.2169	.2359	.2994	.3389	.3323	.2272	.1303	.1488	.0691	.1228
83	SCRTL-A MDHSHDR/S	.3145	.1828	.1121	.2447	.1001	.1622	.2330	.2023	.2579	.2803	.1760	.1306	.1392	.0526	.0470
84	SCROTAL-PST WAIST	.2187	.1459	.1087	.1312	.0121	.1663	.1483	.2135	.2545	.2360	.1387	.0956	.0834	.0815	.1019
85	SCRTL-WAIST OVR BK	.2511	.1531	.1071	.1177	.0000	.1715	.1559	.2135	.2448	.1919	.1439	.0937	.0782	.0835	.1095
86	SCROTAL-P WAIST/S	.1439	.0931	.1452	.1914	.0683	.1463	.0958	.1997	.2154	.1772	.1351	.0795	.0676	.0627	.0959
87	SCRTL-WAIST/BUTTL/S	.1514	.0856	.1349	.1615	.0499	.1478	.1072	.1917	.2022	.1502	.1303	.0867	.0727	.0743	.0842
88	SCROTAL-CERVICAL	.3064	.1813	.1412	.2163	.0455	.1979	.2187	.2434	.2965	.2871	.2073	.1153	.1176	.0698	.0730
89	SCROTAL-CERVICLE/S	.2633	.1542	.1697	.2627	.0898	.2062	.1982	.2604	.2992	.2675	.2139	.1151	.1200	.0700	.0792
90	SCRTL-PST SCYE LVL	.2670	.1510	.1239	.1661	.0576	.1758	.1851	.2241	.2545	.2508	.1699	.1073	.1029	.0615	.0606

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

91	SORTL-PST SCYE L/S	.151	.152	.153	.154	.155	.156	.157	.158	.159	.160	.161	.162	.163	.164	.165
92	SORTL-P MIDSHOULDR	.2243	.1202	.1541	.2131	.1006	.1851	.1667	.2399	.2604	.2312	.1797	.1102	.1067	.0629	.0687
93	SORTL-MOSHLD OVR B	.3247	.2076	.1696	.2317	.0468	.2256	.2178	.3127	.3409	.2697	.2327	.1242	.1210	.0968	.1348
94	SORTL-P MSHLD R/S	.3345	.2140	.1806	.2161	.0458	.2215	.2139	.2919	.3178	.2369	.2291	.1117	.1124	.0913	.1272
95	SORTL-MDSHLD O B/S	.2770	.1704	.1966	.2739	.0860	.2315	.2011	.3172	.3350	.2582	.2417	.1241	.1236	.1105	.1388
96	UPPER THIGH CIRCUM	.2819	.1713	.1965	.2682	.0877	.2239	.1989	.3041	.3187	.2364	.2363	.1291	.1206	.1071	.1285
97	UPPER THIGH C/SIT	.2359	.1481	.1119	.1561	.0508	.2179	.1916	.2851	.3246	.2915	.1573	.1200	.1016	.1115	.1201
98	KNEE CIRCUMFERENCE	.2505	.1596	.1090	.1661	.0444	.2351	.2042	.3009	.3431	.3110	.1729	.1301	.1113	.1145	.1250
99	KNEE CIRCUMFERENCE	.3234	.2083	.1687	.2219	.0702	.2402	.2679	.3327	.3770	.3340	.2315	.1737	.1765	.1537	.1463
100	CALF CIRCUMF/RIGHT	.3243	.2110	.1647	.2343	.0806	.2358	.2572	.3446	.3939	.3246	.2242	.1739	.1794	.1646	.1563
101	CALF CIRCUMF/LEFT	.2745	.1607	.1444	.1764	.0547	.2236	.2191	.2894	.3255	.2860	.1955	.1442	.1090	.1215	.1304
102	ANKLE CIRCUMF/ENGE	.2761	.1628	.1459	.1770	.0546	.2238	.2087	.2841	.3185	.2817	.1980	.1387	.1035	.1151	.1215
103	SOYE CIRCUMFERENCE	.3006	.1777	.1431	.1927	.0625	.2230	.2333	.2932	.3303	.2804	.2198	.1502	.1376	.1567	.1496
104	BICEPS C-EXTEND/RT	.2770	.1890	.1459	.2356	.0807	.2364	.2402	.3239	.3701	.3425	.1818	.1478	.1639	.1372	.1724
105	BICEPS C-EXTEND/LT	.2401	.1575	.1083	.1979	.0304	.2490	.2191	.3338	.3925	.3618	.1749	.1235	.1077	.1102	.1850
106	BICEPS C-FLEXED/RT	.2370	.1555	.0998	.1931	.0353	.2469	.2134	.3254	.3956	.3783	.1754	.1202	.1097	.0989	.1744
107	BICEPS C-FLEXED/LT	.2505	.1470	.0959	.1629	.0309	.2205	.2352	.2954	.3707	.3639	.1601	.1472	.1241	.1044	.1662
108	ELBOW CIRC-EXTENDED	.3043	.2094	.1529	.2346	.0578	.2444	.2486	.3398	.3872	.3687	.1960	.1451	.1443	.1368	.1988
109	ELBOW CIRC-FLEXED	.2543	.2207	.1319	.1763	.0716	.2002	.1978	.3161	.3230	.2534	.1801	.1033	.1113	.1113	.1703
110	LOWER ARM C-EXTEND	.3020	.2044	.1484	.2221	.0513	.2679	.2555	.3670	.4161	.3782	.2144	.1486	.1466	.1476	.2157
111	LOWER ARM C-FLEXED	.2894	.2110	.1239	.1942	.0658	.2345	.2527	.3477	.3866	.3470	.1851	.1519	.1340	.1281	.2025
112	WRIST CIRCUMF/ENGE	.2764	.1867	.1404	.2341	.1044	.1996	.2455	.3657	.3254	.3145	.2050	.1824	.1914	.1658	.1880
113	SLVE L/SPINE-SCYE	.2140	.1665	.1086	.1680	.0921	.1667	.1789	.2515	.2805	.2589	.1570	.1388	.1175	.0963	.1527
114	SLVE L/SPINE-ELBOW	.2852	.1626	.1173	.2018	.0859	.1811	.2369	.2386	.2745	.2220	.2055	.1558	.1538	.1269	.0995
115	SLVE L/SPINE-WRIST	.3156	.1820	.1245	.2044	.1076	.1676	.2393	.2336	.2543	.1966	.2089	.1618	.1656	.1381	.1135
116	ANTERIOR NECK LGTH	.0142	-.0196	-.0011	-.0833	.0174	-.0835	-.0364	-.1134	-.1465	-.1971	-.0437	-.0237	-.0425	-.0394	-.1251
117	POSTERIOR NECK LTH	.0950	-.0205	.0267	.0212	.0813	-.0770	-.0087	-.0969	-.1065	-.0632	-.0313	.0132	-.0223	-.0618	-.0269
118	SHOULDER LENGTH	.1791	.0965	.1021	.1192	.0438	.0877	.1344	.1208	.1633	.1260	.1328	.1109	.0977	.0588	.1066
119	DELTOID ARC	.1408	.0436	.0561	.0992	.0885	.0809	.1397	.0924	.1105	.1351	.1085	.0676	.0731	.0543	.0047
120	INTERSCYE	.1497	.1524	.1165	.1378	.0076	.1453	.0899	.2651	.2318	.1234	.1518	.0408	.0593	.1186	.2144
121	INTERSCYE MAXIMUM	.2939	.1827	.1375	.2148	.0600	.2340	.2488	.2983	.3562	.3289	.2178	.1498	.1606	.1277	.1633
122	WAIST FRONT-OMPH"N	.2210	.1341	.1169	.2592	.0420	.1501	.1582	.2174	.2689	.2824	.1899	.0735	.0790	.0269	.0932
123	CROTCH LGTH-OMPH"N	.2488	.1721	.1786	.2366	.0749	.1920	.1720	.2983	.3157	.2416	.2023	.1216	.1253	.1140	.1603
124	WAIST BACK-OMPHL"N	.2369	.1332	.0980	.2021	.0674	.1316	.1914	.1469	.1908	.2039	.1779	.0783	.1041	.0127	-.0117
125	FOOT LENGTH	.3204	.2048	.1887	.2102	.1209	.1777	.2469	.2855	.2775	.1618	.2222	.1744	.1698	.1528	.1373
126	INSTP LENGTH	.2882	.1765	.1605	.1922	.0816	.1592	.2319	.2612	.2658	.1668	.1969	.1572	.1507	.1386	.1247
127	FOOT BREADTH	.3097	.1652	.1286	.1733	.1063	.1535	.2196	.2039	.2398	.1842	.1723	.1585	.1364	.1301	.1229
128	BALL-OF-FOOT CIRC	.3456	.2352	.1813	.2164	.1230	.1962	.2171	.3147	.3099	.2039	.2253	.1575	.1364	.1301	.1229
129	INSTP CIRCUMF"NCE	.3243	.2253	.1781	.2186	.1170	.2091	.2275	.3310	.3243	.2068	.2328	.1476	.1552	.1672	.2054
130	HEEL CIRCUMFERENCE	.3925	.2450	.1946	.2585	.1149	.2147	.2722	.3189	.3360	.2583	.2565	.2013	.1951	.1799	.2065
131	BI-MALLEOLAR BROTH	.2818	.2179	.2402	.2491	.1219	.1850	.1723	.3203	.2857	.1201	.2597	.1378	.1256	.1734	.1899
132	LAT"L MALLEOLUS HT	.1313	.1323	.0982	.1243	.0640	.0517	.0679	.1347	.1014	.0530	.0985	.0817	.0853	.0506	.0436
133	MED"L MALLEOLUS HT	.2145	.1216	.1141	.1322	.0782	.0801	.1134	.1590	.1522	.0883	.1410	.1028	.1005	.0779	.0436
134	HAND LENGTH	.3066	.2234	.1584	.2049	.1291	.1402	.2086	.2425	.2238	.0981	.2114	.1277	.1436	.1528	.1771
135	PALM LENGTH	.2426	.2176	.1428	.1907	.1330	.1208	.1712	.2266	.1895	.0801	.1807	.0549	.1065	.1427	.1447

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

136	HAND BR/METACARPAL	.151	.152	.153	.154	.155	.156	.157	.158	.159	.160	.161	.162	.163	.164	.165
137	HAND BRTH AT THUMB	.2735	.2224	.0844	.1927	.1036	.1456	.2459	.2390	.2815	.2822	.2034	.0972	.1082	.1399	.1582
138	HAND C/METACARPALE	.3111	.2120	.1564	.2169	.0948	.1667	.2525	.2590	.2851	.1954	.2085	.1255	.0988	.1451	.1850
139	HAND C ROUND THUMB	.2927	.2575	.1472	.2374	.0759	.1985	.2698	.3181	.3390	.2848	.2467	.0741	.1260	.1892	.2265
140	HAND THICK/META-3	.3351	.2385	.1823	.2431	.0832	.2166	.2830	.3361	.3694	.2764	.2449	.1591	.1502	.1767	.2365
141	HAND THICK/META-3	.1515	.1425	.0259	.1365	.0712	.1085	.1572	.1613	.1983	.2374	.1114	-.0065	.0377	.0449	.0945
142	HEAD CIRCUMFERENCE	.5658	.4908	.1587	.2146	.1257	.5208	.3841	.4238	.4640	.2962	.3177	.2617	.2904	.2795	.2576
143	SAGITTAL ARC/INION	.4501	.0000	.0683	.0036	.0426	.1737	.1031	.0188	.0807	-.0407	.0303	.3742	.1726	.0209	-.0017
144	MINIMUM FRONTAL ARC	.2266	.1682	.0770	.1005	.0173	.2309	.3599	.2342	.2809	.1675	.0954	.2832	.3224	.3305	.1568
145	BITRAGON-CORONAL	.4667	.2448	-.0090	.0915	-.0299	.5686	.3241	.2824	.3784	.2698	.2729	.0815	.1511	.1744	.1313
146	BITRAGN-MIN FRONTAL	.3961	.3395	.0757	.1939	.0858	.4252	.5439	.4057	.5563	.3724	.2713	.3309	.3904	.3440	.2303
147	BITRAGN-MIN FRONTAL	.3938	.2618	.2022	.2500	.1231	.2984	.4714	.4802	.5756	.3596	.2358	.4007	.3578	.2799	.3394
148	BITRAGN-MIN FRONTAL	.5893	.2705	.2290	.3156	.1393	.2698	.3992	.4715	.5212	.3770	.2383	.2858	.2545	.2042	.3291
149	BITRAGN-MIN FRONTAL	.3899	.1247	.2178	.2893	.0398	.2552	.3049	.4198	.4559	.3206	.2274	.2509	.2092	.1451	.2520
150	BITRAGN-MIN POSTERIOR	.2796	.4044	.0806	.2027	.0876	.2018	.1168	.2435	.2147	.2261	.3282	-.0851	.0287	.0990	.1577
151	HEAD LENGTH	.5573	.5914	.1106	.1614	.1271	.0579	.1469	.1261	.1309	.1397	.1037	.1212	.1746	.1891	.1913
152	HEAD DIAGN/MENTON	.3895	.3895	.1191	.1990	.0930	.2412	.2519	.2114	.2436	.1882	.1831	.1908	.1646	.1240	.1912
153	HD DIAG/INION-NOSE	.1191	.0703	.0703	.2167	.1394	.0399	.0940	.1855	.1347	.2684	.1563	.1437	.0498	.1585	.2197
154	EAR BREADTH	.1990	.2167	.4133	.4193	.4069	.1171	.0626	.2365	.1436	.1017	.2090	.1285	.0982	.0788	.1472
155	EAR LENGTH	.0930	.1394	.4069	.4835	.4835	.0242	.0849	.1385	.0879	.0979	.0984	.0561	.0952	.0515	.1093
156	MAXIMUM FRONTAL BR	.2412	.0399	.1171	.1271	.1271	.0242	.4465	.6216	.6598	.6223	.4489	.4540	.5490	.5490	.5490
157	MAXIMUM FRONTAL BR	.2114	.1855	.2365	.2847	.1385	.6216	.4630	.8300	.8300	.5490	.5490	.5490	.5490	.5490	.5490
158	BITRAGON BREADTH	.2436	.1347	.1436	.2690	.0879	.6598	.6223	.4489	.4540	.5490	.5490	.5490	.5490	.5490	.5490
159	BIZYGOMATIC BR"OTH	.1882	.2684	.0107	.2205	.0979	.3284	.4489	.4540	.5490	.5490	.5490	.5490	.5490	.5490	.5490
160	BIGONIAL BREADTH	.1831	.1563	.2090	.3187	.0984	.4641	.3142	.5174	.4902	.2520	.1799	.1799	.1799	.1799	.1799
161	EAR-TO-EAR BREADTH	.1908	.1437	.1285	.0667	.0561	.2728	.4463	.2253	.3535	.2148	.1701	.1628	.3829	.6090	.2964
162	BIOCULAR BREADTH	.1646	.0498	.0982	.1082	.0952	.2530	.0697	.1250	.1256	.0905	.6786	.0900	.0725	.0687	.0827
163	INTERPUPILLARY BRO	.1240	.1585	.0788	.0770	.0515	.2140	.3628	.2527	.3041	.1701	.1628	.3829	.6090	.2964	.2964
164	INTEROCULAR BR"OTH	.1912	.2197	.1472	.2028	.1093	.1490	.2142	.2706	.2642	.2346	.1524	.1414	.2443	.2964	.2964
165	NOSE BREADTH	.2045	.2513	.1291	.2246	.1313	.1250	.2510	.2428	.2521	.2965	.1584	.0690	.1648	.1759	.4370
166	LIP LENGTH	.0566	.0233	.1924	.2349	.0317	.0723	.0697	.1250	.1256	.0905	.6786	.0900	.0725	.0687	.0827
167	EAR PROTRUSION	.1702	.2854	.1689	.2243	.1455	.1067	.0494	.2070	.1436	.0312	.1555	-.0265	.0327	.0844	.0313
168	SUBNASALE-NASAL RT	.1597	.0393	.1150	.1822	.0762	.0956	.1161	.0815	.1501	.0262	.0847	.2679	.1616	.0379	.1346
169	PHILTRUM LENGTH	.0813	.0185	.0858	.1114	.0229	.1030	-.0002	.1442	.1322	.0646	-.0708	.0109	.0229	.0478	.0129
170	LIP-TO-LIP LENGTH	.4086	.1112	.0583	.1044	.0236	.0705	.0002	.1442	.1322	.0646	-.0708	.0109	.0229	.0478	.0129
171	MENTON-SUBNASALE L	.4776	.2668	.1380	.2123	.0933	.1480	.1485	.1932	.2060	.0387	.1837	.1190	.1163	.1239	.0504
172	MENTON-NASAL ROOT	.2606	.0140	-.1101	-.0744	-.0063	.0994	.0588	.1095	.0246	.0752	-.0079	.0837	.0444	-.0169	.0546
173	GLABELLA-TO-VERTEX	.3072	.0340	-.0818	-.0422	.0030	.1303	.1138	.0575	.0257	.0947	.0302	.1040	.0789	.0162	.0198
174	NASAL ROOT-TO-VRTX	.3609	.0744	-.0749	-.0098	-.0015	.1786	.1213	.0383	.0529	.0331	.0548	.1138	.0831	.0347	.0361
175	XTRNL CANTHUS-VRTX	.3191	.0876	-.0440	.0169	.0451	.1626	.1158	.0324	.0487	.0901	.0600	.1128	.0790	.0021	-.0383
176	PRONASALE-TO-VRTX	.3598	.1127	-.0476	.0242	.0479	.1610	.1431	.0168	.0706	.1092	.0703	.1144	.0926	.0194	.0315
177	SUBNASALE-TO-VRTX	.4081	.1427	-.0318	.0592	.0519	.1569	.1598	.0038	.0843	.1135	.0955	.1323	.1098	.0348	.0110
178	STOMION-TO-VERTEX	.5516	.1853	-.0042	.0823	.0563	.1916	.1866	.0464	.1289	.1055	.1138	.1576	.1303	.0717	.0116
179	MENTON-TO-VERTEX	.4331	.1515	-.0435	.0274	-.0232	.2364	.1417	.0634	.1448	.0926	.1239	.1227	.1124	.0979	.0154
180	TRAGON-TO-VERTEX															

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

181	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
GLABELLA-TO-WALL	.5757	.5408	.1028	.1449	.1279	.0584	.1576	.1090	.1303	.1327	.0828	.1691	.1941	.1828	.1830
182	.5594	.5603	.1123	.1494	.1330	.0535	.1390	.0986	.1146	.1204	.0792	.1529	.1808	.1756	.1661
XTRNL CANTHUS-WALL	.4545	.4892	.0887	.1372	.0915	.0403	.0709	.1091	.0892	.1085	.0785	.0562	.0949	.0883	.1592
184	.4893	.5764	.1878	.2276	.1561	.0356	.1138	.1733	.1307	.1131	.1080	.1091	.1356	.1397	.1954
PRONASALE-TO-WALL	.4623	.5217	.1532	.1902	.1262	.0083	.0890	.1543	.1034	.0908	.0736	.0898	.1165	.1340	.2047
185	.4599	.4705	.1579	.1801	.1094	.0057	.0933	.1593	.1106	.0930	.0603	.0935	.1171	.1413	.2625
LIP PROMIN-CE-WALL	.4270	.3829	.1733	.1946	.1008	.0647	.1070	.2297	.1722	.1322	.1057	.0681	.0967	.1207	.2659
187	.3202	.3321	.0726	.0685	.0568	-.0154	-.0701	.0210	-.0512	-.0256	.0463	-.0388	-.0250	.0214	.0835
CHIN PROMINCE-WALL	.3513	.1920	.1579	.2040	.1204	.1304	.1956	.1892	.1868	.0999	.2054	.1201	.1350	.1046	.0445
189	.3925	.2540	.1801	.2793	.0950	.2926	.2963	.3875	.4449	.4023	.2663	.1870	.1897	.1626	.1825
GUESSED HEIGHT															
190															
GUESSED WEIGHT															

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
1 AGE	.2175	.0877	.2010	.2769	-.3680	.0005	.1192	-.2408	-.2434	-.2008	-.1517	-.1758	-.1504	-.1385	-.1307
2 WEIGHT	.1734	.1156	.1136	.1309	-.0663	.1659	.2284	.0152	.0660	.1017	.0551	.0845	.1043	.1683	.1665
3 SKF SUBSCAP"R-LNGE	.0490	.0434	.0379	.0503	-.0915	.0243	.0002	-.0698	.0510	.0258	-.0848	-.0763	-.0762	.0457	.0390
4 SKF TRICEPS-LANGE	-.0138	.0214	-.0339	.1033	-.1038	.0469	.0371	-.0048	.0019	.0307	-.0140	-.0101	-.0040	.0122	.0629
5 SKF JUX"NIPPLE-LGE	.0409	.0552	.0132	.1165	-.1802	-.0028	.0132	-.0867	.0716	-.0433	-.0845	-.0824	-.0612	.0233	.0233
6 SKF MAL XIPH"D-LGE	.0134	.0297	-.0239	.0457	-.1034	-.0024	-.0065	-.0561	.0430	-.0067	-.0727	-.0629	-.0679	.0476	.0511
7 SKF SUPRAILIAC-LGE	.0043	.0023	-.0584	.0023	-.0354	.0354	.0046	.0040	.0391	.0595	-.0116	-.0017	.0103	.0183	.0909
8 SKF SUPRAPATELLA-L	.0563	.0300	-.0119	.1154	-.0763	.0822	.0671	-.0290	.0318	.0950	-.0396	-.0328	-.0239	.0129	.0420
9 SKF SUBSCAP"R-HARP	.0539	.0402	-.0195	.0685	-.1030	.0182	.0074	-.0921	-.0705	-.0385	-.1020	-.0961	-.0903	-.0602	.0327
10 SKF TRICEPS-HARP"R	.0136	.0399	.0019	.1118	-.1231	.0489	.0541	-.0729	-.0576	-.0222	-.0694	-.0655	-.0538	-.0294	.0404
11 SKF SUPRAILIAC-HPN	.0012	-.0057	-.0504	.0006	-.0275	.0414	.0131	.0319	.0459	.0690	.0017	.0116	.0095	.0336	.0911
12 GRIP STRENGTH	.0983	.0381	.0485	.0340	.0074	.0745	.1043	.0429	.0681	.0563	.0581	.0771	.0852	.1161	.0569
13 HEIGHT (STATURE)	.0893	.0894	.1955	.0335	.0555	.1712	.2748	.0998	.1713	.1805	.1863	.2255	.2399	.2826	.1959
14 CERVICALE HEIGHT	.0851	.0825	.1701	.0246	.0453	.1533	.2492	.0570	.1236	.1333	.1389	.1758	.1870	.2272	.1448
15 ACROMION HEIGHT	.0859	.0830	.1799	.0292	.0336	.1488	.2483	.0458	.1110	.1256	.1227	.1602	.1712	.2163	.1506
16 RADIALE HEIGHT	.0738	.0782	.1680	.0378	.0258	.1413	.2329	.0420	.1050	.1219	.1120	.1498	.1626	.2043	.1470
17 STYLION HEIGHT	.0669	.0742	.1543	.0399	.0045	.1262	.2081	.0539	.1062	.1249	.1117	.1455	.1543	.1882	.1508
18 DACTYLION HEIGHT	.0435	.0536	.1174	.0286	-.0033	.1098	.1720	.0560	.1024	.1208	.0967	.1278	.1339	.1671	.1407
19 SUPRASTERNALE HGHT	.0903	.0970	.1801	.0340	.0346	.1455	.2435	.0380	.1105	.1529	.1252	.1616	.1754	.2171	.1407
20 NIPPLE HEIGHT	.0737	.0667	.1582	-.0034	.0641	.1340	.2198	.0530	.1223	.1279	.1290	.1657	.1745	.2149	.1315
21 WAIST HT-OMPHALION	.0653	.0697	.1673	.0027	.0733	.1354	.2263	.0431	.1086	.1124	.1173	.1482	.1625	.2016	.1263
22 ILIOCRISTALE HT	.0511	.0612	.1488	.0046	.0599	.1409	.2230	.0455	.1109	.1165	.1125	.1446	.1549	.1985	.1344
23 BUTTOCK HEIGHT	.0530	.0499	.1346	.0126	.0780	.1132	.1941	.0353	.1062	.1072	.1076	.1365	.1461	.1789	.1188
24 TROCHANTERION HGHT	.0606	.0569	.1525	-.0005	.0701	.1336	.2171	.0430	.1033	.1060	.1130	.1431	.1537	.1924	.1181
25 GLUTEAL FURROW HGHT	.0389	.0420	.1237	-.0193	.0757	.1184	.1930	.0363	.1020	.0991	.1017	.1315	.1372	.1752	.1131
26 CROTCH HEIGHT	.0325	.0269	.1210	-.0241	.1074	.1349	.1992	.0712	.1270	.1244	.1273	.1589	.1637	.2006	.1211
27 PATELLA TOP HEIGHT	.0787	.0736	.1614	.0225	.0434	.1395	.2300	.0021	.0651	.0637	.0738	.1040	.1182	.1679	.1044
28 KNEE CIRC HEIGHT	.0743	.0639	.1435	.0191	.0522	.1300	.2142	.0312	.0376	.1057	.1035	.1355	.1490	.1859	.1246
29 FIBULAR HEIGHT	.0589	.0497	.1363	.0422	.0591	.1405	.2179	.0701	.1350	.1369	.1426	.1739	.1890	.2196	.1429
30 CALF HEIGHT	.0514	.0261	.1285	.0171	.0925	.1402	.2103	.0787	.1358	.1317	.1471	.1712	.1817	.2140	.1216
31 ANKLE HEIGHT	.0840	.1059	.2033	.0137	.0048	.0569	.1568	-.0863	-.0267	-.0144	-.0099	.0041	.0159	.0472	.0339
32 SITTING HEIGHT	.1043	.1067	.1816	.0645	.0234	.1574	.2532	.1415	.1981	.2144	.2158	.2543	.2705	.3014	.2182
33 EYE HEIGHT/SITTING	.0925	.0916	.1716	.0645	.0104	.1290	.2153	.0606	.1105	.1021	.1373	.1683	.1828	.2063	.0803
34 MIDSHOULDER HT/SIT	.1125	.0899	.1188	.0770	-.0243	.1075	.1799	.0896	.1255	.1418	.1409	.1738	.1837	.2030	.1236
35 ACROMION H"GH"HT/SIT	.0980	.0794	.1061	.0537	-.0321	.0977	.1551	.0837	.1157	.1345	.1277	.1589	.1653	.1861	.1207
36 ELBOW REST HGHT/SIT	.0454	.0357	.0185	.0623	-.0658	.0192	.0323	.0787	.0774	.0922	.0764	.0919	.0936	.0828	.0595
37 KNEE HEIGHT/SITTING	.0762	.0739	.1529	.0440	.0528	.1658	.2471	.0430	.1126	.1176	.1212	.1519	.1694	.2165	.1383
38 POPLITEAL HGHT/SIT	.0347	.0572	.1390	.0238	.0880	.1149	.1930	.0637	.1273	.1211	.1361	.1656	.1726	.2022	.1251
39 BUTTOCK-KNEE LNGLTH	.0751	.0699	.1536	.0294	.0498	.1577	.2272	-.0247	.0355	.0460	.0350	.0610	.0750	.1346	.1084
40 BUTTOCK-POPLITEAL	.0339	.0702	.0998	-.0004	.0004	.0550	.1388	.1875	.0604	.0806	.0533	.0787	.0903	.1420	.1218
41 ACRM-BICEP CIR LVL	.0568	.0474	.0792	.0035	.0423	.0778	.1217	.0563	.0880	.0857	.0955	.1083	.1112	.1337	.0861
42 SHOULDER-ELBOW LTH	.0893	.0798	.1540	.0045	.0272	.1189	.2110	.0051	.0598	.0665	.0805	.1036	.1074	.1529	.1008
43 ACROMION-RADIALE L	.0811	.0631	.1306	.0043	.0042	.1146	.1957	.0412	.0914	.0917	.1017	.1243	.1260	.1656	.1103
44 ELBOW-WRIST LENGTH	.0794	.0717	.1299	.0125	.0372	.1420	.2147	-.0217	.0356	.0408	.0448	.0671	.0884	.1488	.0789
45 RADIALE-STYLION LH	.0828	.0923	.1401	.0222	.0624	.1138	.1365	-.0095	.0385	.0395	.0554	.0784	.0902	.1366	.0596

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	156	167	168	169	170	171	172	173	174	175	176	177	178	179	180
46 ELBOW-GRIP LENGTH	.0795	.0892	.1595	.0191	.0763	.1215	.2188	.0043	.0670	.0609	.0818	.1057	.1197	.179	.180
47 THUMB-TIP REACH	.0761	.0709	.1519	.0620	.0374	.1421	.2267	.0165	.0771	.0846	.0991	.1196	.1360	.1748	.0817
48 THUMB-TIP R"CH/XTD	.0896	.0727	.1629	.0423	.0529	.1304	.2118	-.0097	.0339	.0453	.0568	.0838	.1030	.1411	.0643
49 SLEEVE INSEAM	.0306	.0647	.1441	-.0277	.0952	.1091	.1930	.0260	.0788	.0767	.1001	.1216	.1279	.1612	.0869
50 BIACROMIAL BREADTH	.1421	.1001	.1154	.0741	-.0439	.1319	.1873	-.0022	.0407	.0521	.0410	.0630	.0832	.1392	.1003
51 BIDELOID BREADTH	.1544	.0947	.0895	.1079	-.0798	.1270	.1731	-.0061	.0367	.0577	.0164	.0375	.0511	.1133	.1213
52 CHEST BREADTH	.1732	.1043	.1216	.1244	-.1073	.1121	.1793	-.0150	.0178	.0477	.0161	.0308	.0481	.1024	.1073
53 WAIST BROTH-OMPH" N	.1231	.1114	.1007	.1154	-.1293	.0963	.1505	-.0262	.0082	.0464	-.0019	.0130	.0246	.0695	.1211
54 BIORISTALE BREADTH	.1477	.0849	.1128	.0828	-.0853	.0879	.1460	-.0437	-.0002	.0188	-.0045	.0112	.0168	.0600	.0870
55 HIP BREADTH	.1119	.1091	.1200	.0855	-.0852	.0910	.1614	-.0203	.0184	.0527	.0254	.0444	.0518	.0932	.1044
56 HIP BREADTH SIT" G	.1056	.1252	.1021	.1035	-.0781	.1118	.1652	.0052	.0355	.0778	.0364	.0568	.0672	.1092	.1281
57 ELBOW BROTH BONE/R	.1656	.0406	.1368	.0268	-.0739	.0833	.1705	-.0066	.0262	.0358	.0453	.0701	.0816	.1196	.0516
58 ELBOW BROTH BONE/L	.1598	.0570	.1287	.0507	-.0625	.0890	.1728	.0225	.0543	.0662	.0707	.0948	.1052	.1410	.0664
59 F"ARM-F"ARM BR" DTH	.1376	.0593	.0603	.1012	-.1007	.0852	.1170	.0405	-.0078	.0279	.0203	-.0056	.0060	.0511	.0696
60 KNEE BR" DTH BONE/R	.1242	.1204	.1593	.0784	-.0253	.1199	.2062	.0368	.0862	.1020	.1001	.1310	.1356	.1708	.1253
61 KNEE BR" DTH BONE/L	.1215	.1189	.1499	.0808	-.0218	.1266	.2075	.0415	.0895	.1046	.0990	.1324	.1383	.1749	.1274
62 CHEST DEPTH	.1542	.0741	.0719	.1423	-.1446	.0808	.1221	-.1149	-.0810	-.0423	-.0876	-.0791	-.0585	-.0112	.0495
63 WAIST DEPTH-OMPH" N	.1307	.0905	.0561	.1508	-.1545	.0811	.1077	-.0737	-.0374	-.0066	-.0489	-.0421	-.0267	.0110	.0606
64 BUTTOCK DEPTH	.0971	.0889	.0682	.1276	-.1049	.1121	.1404	-.0278	.0057	.0317	-.0145	-.0013	.0153	.0650	.0936
65 THIGH CLEARANCE HT	.0806	.0274	-.0401	.0529	.0416	.1033	.0778	.0714	.0948	.1073	.0493	.0688	.0742	.1100	.1151
66 NECK CIRC -MAXIMUM	.2516	.0584	.0791	.1335	-.1063	.1234	.1685	.0217	.0570	.1001	.0353	.0606	.0747	.1303	.1700
67 SHOULDER CIRCUM"CE	.1725	.0903	.0702	.0878	-.0660	.1210	.1652	.0207	.0595	.0813	.0394	.0629	.0722	.1317	.1188
68 CHEST CIRC AT SCYE	.1855	.1173	.1472	.1261	-.1106	.1103	.1852	-.0783	-.0294	-.0031	-.0413	-.0243	-.0036	.0638	.0914
69 CHEST CIRCUM"ENCE	.1761	.1062	.1269	.1369	-.1334	.1056	.1723	.0955	-.0552	-.0132	-.0618	-.0470	-.0253	.0409	.0873
70 WAIST CIRC-OMPH"AL" N	.1217	.0847	.0595	.1428	-.1398	.1009	.1286	-.0361	-.0036	.0369	-.0162	-.0021	.0108	.0542	.1003
71 WAIST CIRC-OMPH/SIT	.1258	.0931	.0588	.1385	-.1425	.0833	.1158	-.0366	-.0016	.0314	-.0148	-.0065	.0040	.0447	.0954
72 BUTTOCK CIRCUM"CE	.1222	.1065	.0964	.1208	-.0675	.1377	.1855	-.0080	.0283	.0668	.0184	.0401	.0567	.1122	.1266
73 BUTTOCK CIRCUM/SIT	.1330	.1064	.0836	.1422	-.1004	.1169	.1678	-.0095	.0233	.0604	.0189	.0403	.0523	.0981	.1080
74 VERTICAL TRUNK CIRC	.1479	.1264	.1650	.1358	-.0809	.1402	.2314	-.0155	.0343	.0726	.0449	.0732	.0912	.1450	.1286
75 VERT TRUNK CIRC/SIT	.1334	.1206	.1643	.1123	-.0753	.1305	.2198	-.0099	.0371	.0646	.0447	.0765	.0926	.1412	.1119
76 SCROTAL-ANT WAIST	.1161	.1094	.1408	.1151	-.0786	.0866	.1651	-.0257	.0235	.0480	.0361	.0420	.0706	.0977	.1026
77 SCROTAL-A WAIST/S	.0879	.0614	.1095	.0689	-.0093	.1081	.1547	.0204	.0433	.0613	.0539	.0749	.0956	.1271	.0902
78 SCRTL-SUPRASTERNLE	.1411	.1304	.1521	.1525	-.1107	.1160	.1953	-.0326	.0251	.0567	.0443	.0623	.0869	.1268	.1104
79 SCRTL-SUPRASTERNLE/S	.1278	.0974	.1348	.1064	-.0583	.0936	.1674	.0338	.0828	.1052	.0993	.1309	.1521	.1679	.1008
80 SCRTL-ANT SCYE LVL	.1052	.1116	.1506	.1235	-.0864	.0855	.1753	-.0434	.0143	.0433	.0322	.0499	.0672	.1011	.1017
81 SCRTL-ANT SCYE L/S	.0803	.0601	.1256	.0806	-.0256	.0416	.1246	.0321	.0741	.0971	.0894	.1180	.1298	.1332	.0953
82 SCRTL-A MIDSHOULDR	.1587	.0970	.1285	.1251	-.0897	.1132	.1912	.0095	.0584	.0850	.0684	.0921	.1094	.1504	.1241
83 SCRTL-A MIDSHOULDR/S	.1446	.0570	.1138	.0818	-.0505	.0304	.1642	.0803	.1205	.1415	.1303	.1640	.1778	.1950	.1231
84 SCROTAL-PST WAIST	.0847	.0678	.0384	.0528	-.0095	.0779	.1052	.0084	.0406	.0567	.0154	.0359	.0457	.0784	.0898
85 SCRTL-WAIST OVR BK	.0814	.0635	.0690	.0777	.0667	.1271	.1575	.0036	.0333	.0535	.0204	.0455	.0608	.1022	.0919
86 SCROTAL-P WAIST/S	.0596	.0765	.0922	.1040	-.0515	.0712	.1292	.0155	.0186	.0399	.0150	.0210	.0458	.0739	.0721
87 SCRTL-WAIST/BUTT/S	.0416	.0719	.0910	.0807	-.0129	.0893	.1358	.0007	.0348	.0530	.0275	.0353	.0600	.0879	.0820
88 SCROTAL-CERVICALE	.1191	.0875	.0827	.0692	-.0199	.1260	.1751	.0355	.0789	.1037	.0705	.1034	.1173	.1527	.1282
89 SCROTAL-CERVICALE/S	.1033	.0939	.1170	.1058	-.0394	.1383	.2046	.0115	.0529	.0868	.0557	.0793	.1022	.1464	.1239
90 SCRTL-PST SCYE LVL	.0911	.0642	.0643	.0394	-.0208	.0927	.1330	.0847	.1108	.1229	.0914	.1203	.1214	.1527	.1323

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

91	SCRTL-PST SCYE L/S	.156	.167	.168	.169	.170	.171	.172	.173	.174	.175	.176	.177	.178	.179	.180
92	SCRTL-P MIDSHOULDR	.0724	.0732	.0970	.0818	-.0388	.1101	.1649	.0505	.0759	.0961	.0690	.0865	.0993	.1418	.1243
93	SCRTL-MDSHLD OVR B	.1388	.1048	.1254	.0989	-.0424	.1354	.2022	.0030	.0477	.0737	.0417	.0707	.0877	.1365	.1236
94	SCRTL-P MDSHLD OVR S	.1334	.0978	.1395	.1022	-.0268	.1594	.2297	.0076	.0471	.0735	.0497	.0823	.1021	.1529	.1225
95	SCRTL-MDSHLD O 9/S	.1238	.1193	.1376	.1205	-.0526	.1428	.2151	-.0102	.0324	.0621	.0298	.0509	.0762	.1278	.1153
96	UPPER THIGH CIRCUM	.1413	.1201	.1438	.1101	-.0349	.1501	.2226	.0058	.0514	.0760	.0511	.0718	.0982	.1478	.1219
97	UPPER THIGH C/SIT	.0771	.0820	.0416	.0816	-.0295	.1060	.1213	-.0035	.0272	.0609	-.0019	.0147	.0266	.0759	.1259
98	KNEE CIRCUMFERENCE	.0937	.0855	.0433	.0837	-.0408	.1082	.1320	-.0084	.0230	.0563	-.0019	.0139	.0253	.0782	.1179
99	KNEE CIRCUMFERENCE	.1411	.1139	.1293	.1061	-.0393	.1422	.2046	.0134	.0589	.0905	.0599	.0854	.1021	.1501	.1344
100	CALF CIRCUMF/RIGHT	.1291	.1101	.1305	.1259	-.0440	.1503	.2225	-.0043	.0394	.0705	.0400	.0627	.0853	.1405	.1235
101	CALF CIRCUMF/LEFT	.1056	.1073	.0780	.1076	-.0531	.1183	.1596	.0235	.0515	.0761	.0344	.0545	.0725	.1184	.1304
102	ANKLE CIRCUMF/ENCE	.0926	.1088	.0779	.1018	-.0419	.1273	.1667	.0284	.0571	.0804	.0376	.0600	.0793	.1271	.1353
103	SCYE CIRCUMFERENCE	.1415	.1291	.1210	.1169	-.0396	.1424	.2008	.0325	.0533	.0815	.0614	.0841	.1029	.1500	.1318
104	BICEPS C-EXTEND/RT	.1620	.0546	.0814	.1256	-.0599	.1405	.1812	-.0354	.0089	.0423	.0044	.0272	.0479	.1093	.0910
105	BICEPS C-EXTEND/LT	.1407	.0674	.0307	.1286	-.1011	.1150	.1345	-.0457	-.0121	.0120	-.0394	-.0243	-.0069	.0532	.0797
106	BICEPS C-FLEXED/RT	.1472	.0691	.0286	.1274	-.0920	.1119	.1259	-.0172	.0133	.0416	-.0148	.0024	.0171	.0734	.0996
107	BICEPS C-FLEXED/LT	.1473	.0482	.0157	.1135	-.0626	.1328	.1378	.0059	.0339	.0563	.0028	.0234	.0384	.0975	.1027
108	ELBOW CIRC-EXTENDED	.1869	.0698	.0800	.1145	-.0677	.1394	.1841	-.0362	.0095	.0282	.0002	.0235	.0451	.1016	.0768
109	ELBOW CIRC-FLEXED	.1485	.0363	.1098	.0992	-.0641	.1485	.2047	-.0358	.0090	.0092	-.0042	.0166	.0347	.1024	.0588
110	LOWER ARM C-EXTEND	.1872	.0701	.0861	.1360	-.0789	.1587	.1999	-.0397	.0052	.0244	-.0051	.0181	.0417	.1044	.0839
111	LOWER ARM C-FLEXED	.1881	.0332	.0844	.1143	-.0686	.1504	.1933	-.0116	.0299	.0367	.0175	.0380	.0563	.1191	.0795
112	WRIST CIRCUMF/ENCE	.1474	.0923	.1344	.1338	-.0521	.1204	.1973	.0023	.0248	.0488	.0475	.0671	.0892	.1309	.0631
113	SLVE L/SPINE-SCYE	.1596	.0678	.1478	.0827	-.0734	.0726	.1508	.0413	.0586	.0780	.0761	.0856	.0904	.1237	.0977
114	SLVE L/SPINE-ELBOW	.1339	.0829	.1431	.0300	.0061	.1222	.2054	.0651	.1085	.1310	.1241	.1515	.1540	.1944	.1353
115	SLVE L/SPINE-WRIST	.1271	.0924	.1523	.0312	.0499	.1531	.2391	.0408	.0931	.1104	.1086	.1385	.1485	.2020	.1225
116	ANTERIOR NECK LGTH	-.0155	-.0329	.0628	-.0913	.0609	-.0367	.0044	.1092	.1114	.0838	.1235	.1327	.1131	.0846	.0453
117	POSTERIOR NECK LTH	-.0214	-.0025	.0443	-.0067	.0390	.0031	.0238	.1037	.1234	.1061	.1256	.1381	.1395	.1207	.0416
118	SHOULDER LENGTH	.1165	.0766	.0673	.0479	.0106	-.000	.0594	.0055	.0449	.0507	.0637	.0829	.0946	.0797	.0321
119	DELTOID ARC	.0527	.0402	.0200	-.0193	.0076	.0656	.0720	.1261	.1441	.1395	.1329	.1546	.1413	.1557	.1193
120	INTERSCYE	.1174	.1136	.1369	.0976	-.0968	.0692	.1347	-.0962	-.0733	-.0522	-.0751	-.0742	-.0543	-.0006	.0497
121	INTERSCYE MAXIMUM	.1955	.0870	.1306	.0871	-.0406	.1229	.1973	-.0119	.0365	.0495	.0420	.0672	.0778	.1300	.0803
122	WAIST FRONT-OMPH**N	.1054	.0917	.0818	.0961	-.0979	.0593	.1135	-.0129	.0271	.0551	.0433	.0666	.0729	.0968	.0759
123	CROTCH LGTH-OMPH**N	.0990	.1282	.1170	.1313	-.0666	.1191	.1821	-.0202	.0191	.0530	.0217	.0346	.0547	.0983	.1077
124	WAIST BACK-OMPHL**N	.0959	.0644	.1064	.0511	-.0354	.1112	.1691	.0462	.0770	.0958	.0974	.1275	.1355	.1550	.0949
125	FOOT LENGTH	.1284	.0980	.2268	.0691	.0363	.1618	.2747	.0188	.0681	.0800	.1093	.1399	.1645	.2040	.1093
126	INSTP LENGTH	.1230	.0780	.1915	.0689	.0275	.1550	.2476	-.0240	.0217	.0322	.0517	.0795	.1058	.1522	.0779
127	FOOT BREADTH	.1302	.0826	.1370	.0860	.0497	.1932	.2569	.0600	.0986	.1235	.1253	.1462	.1868	.2279	.1312
128	BALL-OF-FOOT CIRC	.1743	.1192	.1874	.1179	.0005	.1849	.2772	-.0170	.0261	.0583	.0556	.0812	.1167	.1773	.1197
129	INSTP CIRCUMF**NCE	.1645	.1130	.2124	.1228	-.0042	.1838	.2780	-.0235	.0237	.0554	.0558	.0776	.1142	.1688	.1166
130	HEEL CIRCUMFERENCE	.1868	.1331	.2020	.1153	-.0070	.1967	.2931	.0318	.0784	.1018	.1029	.1337	.1642	.2195	.1512
131	BI-MALLEOLAR BROTH	.1529	.1753	.2254	.1001	-.0713	.1309	.2360	-.0444	-.0059	.0070	.0294	.0424	.0576	.1125	.0809
132	LAT**L MALLEOLUS HT	.0420	.0399	.1309	.0588	.0053	.1285	.1814	.0119	.0483	.0583	.0488	.0660	.0857	.1263	.0821
133	MED**L MALLEOLUS HT	.0509	.0737	.1519	.0295	-.0185	.0795	.1525	-.0011	.0448	.0586	.0725	.0924	.0957	.1157	.0606
134	HAND LENGTH	.1312	.1070	.2467	.0760	.0578	.1586	.2790	-.0026	.0568	.0690	.0366	.1256	.1528	.1943	.0817
135	PALM LENGTH	.1075	.0749	.2395	.0330	.0449	.1127	.2378	-.0183	.0373	.0516	.0748	.0960	.1184	.1502	.0736

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

136	HAND BRYMETACARPLE	.1875	.0900	.1261	.0721	.0260	.1180	.1878	.0500	.0815	.1051	.1101	.1288	.177	.178	.179	.180
137	HAND BRTH AT THUMB	.1617	.0988	.1730	.1159	.0487	.1414	.2430	.0025	.0472	.0732	.0811	.0981	.1250	.1699	.1143	
138	HAND C/METACARPALE	.2316	.1061	.1740	.0870	.0354	.1525	.2412	.0190	.0226	.0487	.0552	.0758	.1015	.1575	.0896	
139	HAND C ROUND THUMB	.2300	.1136	.1716	.1508	.0663	.1746	.2534	.0234	.0202	.0505	.0551	.0749	.1062	.1612	.1010	
140	HAND THICK/MET-A-3	.1374	.0114	.0632	.0297	.0303	.0513	.1039	.0248	.0319	.0478	.0642	.0686	.0819	.0872	.0367	
141	HAND THICK/CONFERENCE	.2481	.1505	.1733	.1404	.0261	.2249	.3153	.1627	.2189	.2694	.2465	.2752	.3029	.3691	.3788	
142	SAGITTAL ARC/INTON	.0021	.0009	.0268	.1847	.0179	.1702	.1186	.3753	.3577	.3692	.3358	.3476	.3501	.3767	.3688	
143	MINIMUM FRONTL ARC	.1287	.0883	.0318	.0889	.0304	.1366	.1518	.0855	.0918	.1125	.0852	.0935	.1018	.1545	.1546	
144	BITRAGION-CORONAL	.1274	.0316	.0927	.0131	.0669	.1767	.2213	.4496	.4852	.4852	.4499	.4908	.4988	.5296	.6965	
145	BITRAGN-MIN FRNTAL	.2516	.0653	.1411	.1460	.0034	.2123	.2834	.1687	.2249	.2578	.2579	.2862	.3149	.3528	.3604	
146	BITRAGN-N-SUBNASALE	.3319	.1060	.1468	.1904	.0827	.1285	.1826	.3312	.0227	.0346	.0235	.0568	.0925	.1286	.0834	
147	BITRAGION-MENTON	.3410	.1027	.1513	.1873	.0855	.2526	.3257	.0810	.0243	.0111	.0078	.0205	.0572	.1823	.0378	
148	BIT-SUBMANDIBULAR	.2117	.1148	.1193	.2282	.0837	.1367	.2520	.1435	.0861	.0555	.0754	.0507	.0072	.0785	.0126	
149	BITRAGN-N-POSTERIOR	.1639	.1277	.1251	.0229	.0195	.1060	.1588	.0391	.0073	.0343	.0129	.0374	.0615	.1098	.1020	
150	HEAD LENGTH	.1972	.0097	.1358	.1113	.0286	.2334	.2894	.1255	.1796	.1906	.2054	.2266	.2628	.3232	.2379	
151	HEAD DIAGONL/MENTON	.2045	.0566	.1702	.1597	.0813	.4086	.4776	.2606	.3072	.3609	.3191	.3598	.4081	.5516	.4331	
152	HD DIAG/INTON-NOSE	.2513	.0233	.2854	.0393	.0185	.1112	.2668	.0140	.0340	.0744	.0876	.1127	.1427	.1853	.1515	
153	EAR BREADTH	.1291	.1924	.1689	.1150	.0858	.0583	.1380	.1101	.0818	.0749	.0440	.0476	.0318	.0042	.0435	
154	EAR LENGTH	.2246	.2349	.2243	.1822	.1114	.1044	.2123	.0744	.0422	.0098	.0169	.0242	.0592	.0823	.0274	
155	EAR L ABOVE TRAGION	.1313	.0317	.1455	.0762	.0229	.0236	.0933	.0063	.0030	.0015	.0451	.0479	.0519	.0563	.0232	
156	HEAD BREADTH	.1250	.0723	.1067	.0956	.1030	.0705	.1490	.0994	.1303	.1785	.1426	.1610	.1569	.1916	.2964	
157	MAXIMUM FRONTAL BR	.2510	.0697	.0494	.1161	.0002	.1141	.1495	.0688	.1138	.1213	.1158	.1431	.1598	.1866	.1417	
158	BITRAGION BREADTH	.2428	.1250	.2070	.0815	.1442	.0736	.1932	.1095	.0575	.0383	.0324	.0168	.0038	.0464	.0634	
159	BIZYGOMATIC BR"DTH	.2521	.1256	.1436	.1501	.1322	.1142	.2060	.0246	.0257	.0529	.0487	.0706	.0843	.1289	.1448	
160	BIGONIAL BREADTH	.2965	.0095	.0312	.0262	.0636	.0020	.0387	.0752	.0947	.0931	.0901	.1092	.1135	.1055	.0926	
161	EAR-TO-EAR BREADTH	.1584	.6786	.1655	.0847	.0708	.0768	.1837	.0079	.0302	.0548	.0600	.0703	.0855	.1138	.1239	
162	BIOCULAR BREADTH	.0690	.0900	.0265	.2679	.0109	.1611	.1190	.0837	.1040	.1138	.1128	.1144	.1323	.1576	.1227	
163	INTERPUPTLLARY BRD	.1648	.0725	.0327	.1616	.0229	.1161	.1163	.0444	.0789	.0831	.0790	.0926	.1098	.1303	.1124	
164	INTEROCULAR BR"DTH	.1759	.0887	.0844	.0379	.0478	.0842	.1239	.0169	.0162	.0347	.0021	.0194	.0348	.0717	.0979	
165	NOSE BREADTH	.4370	.0827	.0313	.1346	.0129	.0516	.0504	.0546	.0198	.0361	.0383	.0315	.0110	.0116	.0154	
166	LIP LENGTH	.0153	.0153	.0756	.0063	.0332	.0521	.0082	.0264	.0078	.0031	.0010	.0074	.0105	.0109	.0060	
167	EAR PROTRUSION	.0153	.0153	.0756	.0063	.0332	.0521	.0082	.0264	.0078	.0031	.0010	.0074	.0105	.0109	.0060	
168	SUBNASALE-NASAL RT	.0756	.0966	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	
169	PHILTRUM LENGTH	.0063	.1197	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	.0178	
170	LIP-TO-LIP LENGTH	.0332	.0208	.0691	.1232	.0741	.3237	.2190	.0953	.1043	.0963	.0604	.0797	.1601	.2143	.0770	
171	MENTON-SUBNASALE L	.0521	.0633	.0710	.4741	.3237	.7895	.2895	.0551	.1043	.0963	.0604	.0797	.1601	.2143	.0770	
172	MENTON-NASAL ROOT	.0082	.1067	.5368	.3368	.2190	.7895	.2895	.0551	.1043	.0963	.0604	.0797	.1601	.2143	.0770	
173	GLABELLA-TO-VERTEX	.0264	.0233	.1327	.0351	.0953	.0551	.0280	.0085	.0604	.0915	.0857	.1019	.2490	.4919	.1698	
174	NASAL ROOT-TO-VRX	.0078	.0028	.1202	.0290	.1043	.0676	.0085	.0095	.0945	.9003	.8638	.8782	.8669	.7811	.8045	
175	XTRNL CANTHUS-VRX	.0031	.0134	.0409	.0146	.0963	.0901	.0604	.0857	.1485	.9003	.8638	.8782	.8669	.7811	.8045	
176	PONASALE-TO-VRX	.0010	.0074	.1143	.0145	.0604	.0857	.1485	.9003	.8638	.8782	.8669	.7811	.8045	.8324	.6311	
177	SUBNASALE-TO-VRX	.0074	.0036	.1451	.0206	.0797	.1019	.1767	.8795	.9136	.8782	.8669	.7811	.8045	.8324	.6311	
178	STOMION-TO-VERTEX	.0105	.0228	.1407	.1239	.1601	.2490	.2887	.8531	.8884	.8669	.9354	.9569	.9164	.6698	.6610	
179	MENTON-TO-VERTEX	.0109	.0324	.1723	.1670	.2143	.4319	.5174	.7508	.7874	.7811	.8324	.8613	.9164	.6698	.6610	
180	TRAGION-TO-VERTEX	.0060	.0091	.0568	.0286	.0770	.1598	.1819	.6543	.6665	.8045	.6311	.6607	.6698	.6610	.6610	

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181 GLABELLA-TO-WALL	.1833	.0067	.0967	.1116	.0462	.2260	.2561	.1776	.2290	.2413	.2442	.2684	.2992	.3525	.2716
182 NASAL ROOT-TO-WALL	.1804	.0007	.1615	.1047	.0307	.2148	.2954	.0926	.1287	.1640	.1618	.1887	.2218	.2837	.2294
183 XTRNL CANTHUS-WALL	.1481	.0126	.1290	.1318	.0164	.1931	.2422	-.0900	-.0556	-.0252	-.0478	-.0177	.0256	.1046	.0973
184 PRONASALE-TO-WALL	.2230	.0248	.2967	.0926	-.0055	.1707	.3055	-.2499	-.2317	-.1505	-.1850	-.1467	-.1013	-.0049	.0308
185 SUBNASALE-TO-WALL	.2126	.0190	.2040	.1102	.0286	.1687	.2385	-.3189	-.2979	-.2238	-.2998	-.2593	-.2039	-.0968	.0154
186 LIP PROMIN"CE-WALL	.2378	.0149	.1199	.1108	.0830	.1769	.2041	-.3639	-.3420	-.2700	-.3669	-.3325	-.2711	-.1507	-.0496
187 CHIN PROMINCE-WALL	.2539	.0336	.0757	.0389	-.1239	.0282	.0846	-.4561	-.4399	-.3600	-.4702	-.4479	-.4334	-.3049	-.1206
188 TRAGION-TO-WALL	.0380	.0085	.1007	.0741	.0307	.1402	.1696	-.1657	-.1576	-.1240	-.1581	-.1425	-.1084	-.0297	.0069
189 GUESSED HEIGHT	.0803	.0844	.1812	.0234	.0519	.1556	.2523	.0909	.1610	.1663	.1694	.2065	.2171	.2583	.1846
190 GUESSED WEIGHT	.1736	.1102	.1296	.1167	-.0587	.1668	.2364	.0233	.0777	.1116	.0699	.1024	.1200	.1830	.1706

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
1 AGE	.0017	.0262	.1303	.1487	.1069	.1011	.1875	.0814	-.0560	.0986
2 WEIGHT	.2758	.2726	.2202	.2967	.2797	.2309	.3291	.1343	.5236	.9738
3 SKF SUBSCAP"R-LNGE	.0849	.0823	.1146	.1268	.1395	.1702	.2188	.0982	.0268	.5255
4 SKF TRICEPS-LANGE	.0641	.0620	.0776	.0848	.0736	.0853	.1281	.0316	.1088	.5021
5 SKF JUX"NIPPLE-LGE	.0539	.0551	.1060	.1109	.1123	.1327	.2093	.0751	.0468	.5438
6 SKF MAL XIPH"D-LGE	.0362	.0358	.0716	.0826	.0903	.1157	.1840	.0578	.0350	.5669
7 SKF SUPRAILIAC-LGE	.0871	.0797	.0720	.0848	.0982	.1210	.1503	.0450	.0915	.6011
8 SKF SUPRAPATELLA-L	.0722	.0718	.0844	.0993	.0975	.1223	.1612	.0782	.0493	.4840
9 SKF SUBSCAP"R-HARP	.0856	.0821	.1262	.1352	.1486	.1804	.2349	.1134	.0106	.5310
10 SKF TRICEPS-HARP"R	.0480	.0507	.0820	.1019	.0939	.1095	.1600	.0472	.0816	.5119
11 SKF SUPRAILIAC-HPN	.0935	.0860	.0727	.0879	.0984	.1215	.1469	.0392	.0833	.5809
12 GRIP STRENGTH	.1588	.1526	.1112	.1488	.1279	.1252	.1431	.0441	.3205	.3822
13 HEIGHT (STATURE)	.2680	.2685	.1754	.2512	.2086	.1868	.1763	.0802	.9559	.5647
14 CERVICALE HEIGHT	.2367	.2414	.1586	.2376	.1955	.1807	.1808	.0658	.9400	.5771
15 ACROMION HEIGHT	.2372	.2430	.1650	.2482	.2106	.1965	.2025	.0756	.9236	.5990
16 RADIALE HEIGHT	.2324	.2401	.1685	.2476	.2136	.1994	.2046	.0849	.8859	.6027
17 STYLION HEIGHT	.2222	.2312	.1672	.2287	.1990	.1795	.1816	.0869	.8025	.5451
18 DACTYLION HEIGHT	.1916	.2002	.1442	.1946	.1719	.1535	.1508	.0800	.7352	.5084
19 SUPRASTERNALE HGHT	.2460	.2511	.1682	.2501	.2116	.1967	.1969	.0699	.9360	.6006
20 NIPPLE HEIGHT	.2315	.2337	.1535	.2220	.1890	.1739	.1672	.0616	.9077	.5292
21 WAIST HT-OMPHALION	.2233	.2301	.1511	.2212	.1876	.1726	.1610	.0644	.8948	.4715
22 ILIOCRISTALE HT	.2170	.2213	.1472	.2217	.1896	.1805	.1771	.0597	.8890	.5511
23 BUTTOCK HEIGHT	.1944	.1993	.1304	.1959	.1691	.1610	.1531	.0521	.8463	.4893
24 TROCHANTERION HGHT	.2124	.2189	.1432	.2175	.1820	.1700	.1636	.0541	.8588	.4685
25 GLUTEAL FURROW HGHT	.1880	.1951	.1269	.1883	.1626	.1553	.1492	.0516	.8510	.4537
26 CROTCH HEIGHT	.1907	.1965	.1229	.1779	.1492	.1362	.1168	.0441	.8343	.4094
27 PATELLA TOP HEIGHT	.2135	.2235	.1524	.2346	.2051	.1962	.1910	.0674	.8305	.4916
28 KNEE CIRC HEIGHT	.2117	.2191	.1469	.2168	.1844	.1746	.1665	.0530	.8365	.4993
29 FIBULAR HEIGHT	.2205	.2245	.1466	.1997	.1661	.1569	.1426	.0504	.8201	.4728
30 CALF HEIGHT	.1894	.1836	.1070	.1629	.1334	.1300	.1132	.0231	.7259	.4380
31 ANKLE HEIGHT	.1322	.1288	.1080	.1791	.1707	.1565	.1619	.0778	.4573	.2316
32 SITTING HEIGHT	.2648	.2593	.1656	.2254	.1829	.1569	.1468	.0886	.7446	.4938
33 EYE HEIGHT/SITTING	.2053	.2036	.1274	.1906	.1517	.1274	.1242	.0651	.6950	.4493
34 MIDSHOULDER HT/SIT	.2068	.2027	.1304	.1911	.1464	.1329	.1545	.0534	.6585	.5362
35 ACROMION H"GH"TSIT	.1904	.1865	.1205	.1765	.1363	.1232	.1497	.0497	.6074	.5129
36 ELBOW REST HGT/SIT	.0888	.0847	.0670	.0739	.0512	.0416	.0538	.0399	.1648	.2691
37 KNEE HEIGHT/SITT"G	.2412	.2446	.1660	.2378	.2035	.1944	.1861	.0685	.8608	.5799
38 POPLITEAL HGHT/SIT	.1966	.1991	.1200	.1765	.1448	.1304	.1122	.0364	.8179	.3548
39 BUTTOCK-KNEE LNGTH	.2145	.2234	.1706	.2529	.2355	.2343	.2417	.1186	.7536	.6530
40 BUTTOCK-POPLITEAL	.1682	.1764	.1219	.1918	.1769	.1735	.1801	.0654	.6758	.5807
41 ACRM-BICEP CIR LVL	.1306	.1272	.0837	.1161	.1037	.0993	.0999	.0341	.4674	.3108
42 SHOULDER-ELBOW LTH	.1597	.1692	.1051	.1801	.1522	.1451	.1612	.0392	.7304	.4367
43 ACROMION-RADIALE L	.1657	.1658	.1015	.1651	.1356	.1332	.1440	.0265	.6962	.4216
44 ELBOW-WRIST LENGTH	.1871	.1911	.1257	.2240	.1997	.2043	.2065	.0566	.7249	.4532
45 RADIALE-STYLION LH	.1659	.1642	.0996	.1956	.1688	.1672	.1778	.0487	.6845	.4369

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
46 ELBOW-GRIP LENGTH	.2033	.2012	.1351	.2264	.2001	.1970	.1896	.0571	.7370	.4506
47 THUMB-TIP REACH	.1823	.1841	.1311	.2000	.1609	.1563	.1606	.0547	.6536	.4470
48 THUMB-TIP R"CH/XTD	.1895	.1950	.1340	.2173	.1881	.1885	.1847	.0634	.6227	.4099
49 SLEEVE INSEAM	.1452	.1455	.0806	.1494	.1180	.1121	.1059	.0287	.6938	.3232
50 BIACROMIAL BREADTH	.1901	.1832	.1269	.1964	.1754	.1783	.1887	.0555	.3866	.4555
51 BIDELOID BREADTH	.2115	.2005	.1764	.2270	.2249	.2393	.2850	.1026	.3227	.7692
52 CHEST BREADTH	.1913	.1833	.1695	.2170	.2056	.2170	.2542	.1010	.2778	.7242
53 WAIST BROTH-OMPH"IN	.1649	.1629	.1445	.2141	.2021	.2119	.2638	.0807	.3100	.8190
54 BICRISTALE BREADTH	.1473	.1454	.1333	.1978	.1758	.1851	.2276	.0686	.3270	.6373
55 HIP BREADTH	.1724	.1728	.1238	.2171	.1912	.1890	.2363	.0600	.4285	.7859
56 HIP BREADTH SIT"IG	.1658	.1647	.1209	.2044	.1819	.1831	.2294	.0620	.3891	.8271
57 ELBOW BROTH BONE/R	.1515	.1483	.1247	.1758	.1549	.1500	.1778	.0512	.4209	.4573
58 ELBOW BROTH BONE/L	.1652	.1632	.1192	.1892	.1639	.1531	.1823	.0423	.4407	.4754
59 F"ARM-F"ARM BR"OTH	.1524	.1505	.1510	.1926	.1881	.2054	.2511	.0944	.2120	.6798
60 KNEE BR"OTH BONE/R	.2160	.2162	.1383	.2212	.1934	.1799	.1923	.0556	.4571	.6259
61 KNEE BR"OTH BONE/L	.2168	.2176	.1418	.2226	.1946	.1822	.1933	.0526	.4704	.6318
62 CHEST DEPTH	.1444	.1510	.1821	.2353	.2345	.2589	.3213	.1374	.2095	.7224
63 WAIST DEPTH-OMPH"IN	.1447	.1423	.1547	.1878	.1842	.1988	.2532	.1081	.1625	.7140
64 BUTTOCK DEPTH	.1835	.1759	.1573	.2061	.2083	.2179	.2594	.1056	.2247	.7750
65 THIGH CLEARANCE HT	.1524	.1430	.0996	.1239	.1335	.1530	.1725	.0704	.1900	.7366
66 NECK CIRC -MAXIMUM	.2726	.2673	.2287	.2827	.2719	.2854	.3365	.1346	.2314	.6761
67 SHOULDER CIRCUM"CE	.2154	.2058	.1718	.2220	.2124	.2293	.2768	.0907	.3350	.8034
68 CHEST CIRC AT SCYE	.2051	.2039	.1998	.2658	.2685	.2862	.3348	.1439	.2869	.7795
69 CHEST CIRCUMF"ENCE	.1930	.1965	.2032	.2694	.2679	.2881	.3437	.1486	.2634	.7980
70 WAIST CIRC-OMPH"AL"IN	.1591	.1581	.1550	.2011	.1912	.2070	.2544	.0905	.2410	.8185
71 WAIST CIRC-OMPH/SIT	.1538	.1502	.1450	.1882	.1839	.2013	.2624	.0932	.2019	.7801
72 BUTTOCK CIRCUMF"CE	.2034	.2004	.1501	.2360	.2238	.2327	.2757	.0973	.3784	.8876
73 BUTTOCK CIRCUM/SIT	.1982	.1970	.1753	.2338	.2121	.2177	.2635	.0957	.3459	.8554
74 VERTICAL TRUNK CIRC	.2454	.2435	.1955	.2793	.2536	.2513	.3021	.1200	.6155	.8209
75 VERT TRUNK CIRC/SIT	.2332	.2328	.1877	.2703	.2444	.2405	.2823	.1165	.6249	.7656
76 SCROTAL-ANT WAIST	.1565	.1559	.1330	.1695	.1466	.1487	.1776	.0813	.3902	.4603
77 SCROTAL-A WAIST/S	.1626	.1626	.1161	.1706	.1515	.1404	.1485	.0701	.4347	.3457
78 SCRTL-SUPRASTERNLE	.1866	.1879	.1573	.2181	.1876	.1902	.2245	.0907	.5044	.6563
79 SCRTL-SUPRSTRNLE/S	.2005	.2018	.1447	.1998	.1633	.1499	.1637	.0643	.5568	.5355
80 SCRTL-ANT SCYE LVL	.1658	.1679	.1403	.2000	.1736	.1763	.2192	.0904	.5010	.5645
81 SCRTL-ANT SCYE L/S	.1661	.1659	.1139	.1633	.1304	.1189	.1391	.0548	.5041	.3767
82 SCRTL-A MIDSHOULDR	.2024	.1998	.1575	.2225	.1903	.1933	.2383	.0805	.5313	.7180
83 SCRTL-A MSHOULDR/S	.2171	.2134	.1472	.2038	.1604	.1514	.1758	.0502	.5795	.6071
84 SCROTAL-ANT SCYE LVL	.1665	.1654	.1410	.1752	.1709	.1751	.1913	.0946	.2870	.5972
85 SCRTL-WAIST OVR BK	.1849	.1847	.1511	.1974	.1937	.1938	.1974	.1013	.3381	.5796
86 SCROTAL-P WAIST/S	.1277	.1346	.1263	.1489	.1385	.1431	.1542	.0741	.2495	.4754
87 SCRTL-WAIST/BUTT/S	.1305	.1364	.1077	.1433	.1385	.1413	.1539	.0595	.2800	.4974
88 SCROTAL-CERVICALE	.2168	.2164	.1734	.2291	.2071	.2026	.2236	.1047	.5348	.7008
89 SCROTAL-CERVICL/S	.1943	.1996	.1661	.2231	.1986	.1992	.2269	.1009	.5140	.6762
90 SCRTL-PST SCYE LVL	.1930	.1881	.1444	.1793	.1634	.1582	.1798	.0782	.4537	.6146

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
91 SORTL-PST SCYE L/S	.1572	.1701	.1358	.1765	.1594	.1597	.1868	.0742	.4259	.5900
92 SORTL-P MIDSHOULDR	.2373	.2369	.1986	.2595	.2469	.2437	.2744	.1416	.5239	.7447
93 SORTL-MOHLDR OVR B	.2479	.2486	.2054	.2679	.2523	.2469	.2540	.1444	.5479	.7110
94 SORTL-P MOHLDR/S	.2051	.2081	.1770	.2370	.2210	.2235	.2581	.1218	.4974	.7121
95 SORTL-MOHLDR O B/S	.2121	.2130	.1680	.2337	.2164	.2152	.2423	.1110	.5310	.7080
96 UPPER THIGH CIRCUM	.1715	.1661	.1290	.1889	.1953	.2132	.2434	.1033	.2547	.8160
97 UPPER THIGH C/SIT	.1773	.1726	.1378	.1973	.2031	.2213	.2548	.1024	.2729	.8404
98 KNEE CIRCUMFERENCE	.2320	.2260	.1600	.2460	.2226	.2263	.2479	.0927	.4308	.8274
99 KNEE CIRCUMF/SIT	.2299	.2253	.1707	.2566	.2365	.2393	.2634	.1067	.4466	.8325
100 CALF CIRCUMF/RIGHT	.1907	.1853	.1373	.1949	.1933	.1958	.2192	.0901	.2566	.7468
101 CALF CIRCUMF/LEFT	.1923	.1872	.1391	.1979	.1946	.1986	.2187	.0883	.2756	.7568
102 ANKLE CIRCUMF/ENCE	.2173	.2147	.1423	.2204	.2018	.1983	.2171	.0895	.3296	.6812
103 SCYE CIRCUMFERENCE	.2101	.2056	.1657	.2390	.2282	.2379	.2657	.0973	.3567	.7228
104 BICEPS C-EXTEND/RT	.1753	.1681	.1541	.2029	.2059	.2283	.2737	.1079	.1708	.7604
105 BICEPS C-EXTEND/LT	.1740	.1642	.1454	.1876	.1920	.2126	.2557	.0965	.1671	.7674
106 BICEPS C-FLEXED/RT	.1850	.1763	.1429	.1906	.1903	.2110	.2466	.0932	.2003	.7442
107 BICEPS C-FLEXED/LT	.1767	.1677	.1339	.1789	.1838	.2048	.2406	.0828	.1994	.7524
108 ELBOW CIR-EXTENDED	.2410	.2334	.1968	.2693	.2565	.2592	.3031	.1189	.3445	.7671
109 ELBOW CIR-FLEXED	.2053	.2046	.1525	.2396	.2263	.2336	.2603	.0974	.3848	.5944
110 LOWER ARM C-EXTEND	.2384	.2329	.1993	.2662	.2578	.2720	.3058	.1281	.2992	.7690
111 LOWER ARM C-FLEXED	.2337	.2233	.1676	.2485	.2311	.2426	.2691	.0908	.3150	.6995
112 WRIST CIRCUMF/ENCE	.2317	.2318	.1655	.2505	.2138	.2131	.2361	.0899	.3491	.5796
113 SLVE L/SPINE-SCYE	.1579	.1647	.1255	.1695	.1387	.1348	.1675	.0717	.2841	.5183
114 SLVE L/SPINE-ELBOW	.1991	.1956	.1257	.1965	.1564	.1465	.1621	.0315	.6275	.5851
115 SLVE L/SPINE-WRIST	.2252	.2244	.1457	.2341	.1962	.1905	.2001	.0503	.7402	.6117
116 ANTERIOR NECK LGTH	.0055	-.0004	-.0425	-.0264	-.0426	-.0723	-.1050	-.0172	.2700	-1466
117 POSTERIOR NECK LGTH	.0494	.0430	.0053	.0100	-.0032	-.0222	-.0536	-.0331	.1315	-.0291
118 SHOULDER LENGTH	.1352	.1210	.0802	.1250	.0974	.1011	.1064	.0227	.3355	.2955
119 DELTOID ARC	.1039	.0885	.0513	.0618	.0455	.0371	.0512	-.0074	.4034	.3149
120 INTERSCYE	.1382	.1390	.1432	.1848	.1958	.2108	.2432	.1368	.1421	.3789
121 INTERSCYE MAXIMUM	.2117	.2130	.1555	.2339	.2051	.2098	.2455	.0804	.4411	.6793
122 WAIST FRONT-OMPH"N	.1321	.1321	.1097	.1585	.1293	.1308	.1656	.0473	.3806	.5607
123 CROTCH LGTH-OMPH"N	.1993	.1919	.1622	.2138	.1972	.2008	.2393	.1109	.3990	.7035
124 WAIST BACK-OMPHL"N	.1476	.1522	.1120	.1666	.1296	.1172	.1382	.0522	.5582	.4418
125 FOOT LENGTH	.2489	.2526	.1729	.2695	.2276	.2157	.1985	.0733	.6656	.5073
126 INSTEP LENGTH	.2158	.2205	.1587	.2581	.2286	.2213	.2034	.0794	.5903	.4798
127 FOOT BREADTH	.2496	.2419	.1451	.2188	.1864	.1742	.1583	.0433	.4215	.4672
128 BALL-OF-FOOT CIRC	.2747	.2669	.1914	.2816	.2593	.2507	.2541	.0966	.4379	.5583
129 INSTEP CIRCUMF/NCE	.2709	.2708	.1903	.2895	.2693	.2543	.2586	.1127	.4578	.6167
130 HEEL CIRCUMFERENCE	.3077	.3093	.2205	.3247	.2879	.2783	.2731	.1260	.6211	.6812
131 BI-MALLEOLAR BROTH	.2252	.2301	.1619	.2709	.2511	.2415	.2574	.1105	.4641	.4947
132 LAT"L MALLEOLUS HT	.1485	.1566	.1218	.1702	.1624	.1535	.1515	.0727	.4374	.3503
133 MED"L MALLEOLUS HT	.1485	.1508	.0975	.1656	.1370	.1190	.1244	.0458	.4129	.3481
134 HAND LENGTH	.2553	.2513	.1767	.2738	.2374	.2267	.2079	.0950	.6353	.4282
135 PALM LENGTH	.2003	.2010	.1366	.2268	.1984	.1850	.1715	.0784	.5269	.3666

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
136 HAND BR/METACARPLE	.2135	.2066	.1229	.1945	.1542	.1420	.1597	.0321	.3907	.4704
137 HAND BRTH AT THUMB	.2340	.2357	.1603	.2554	.2200	.2114	.2228	.0856	.4299	.4786
138 HAND C/METACARPALE	.2274	.2227	.1554	.2431	.2097	.2073	.2335	.0766	.4023	.5207
139 HAND C ROUND THUMB	.2760	.2728	.2049	.2942	.2624	.2582	.2793	.1094	.4233	.5989
140 HAND THICK/MET-A-3	.0940	.0896	.0617	.0861	.0539	.0582	.0825	.0149	.1799	.2688
141 HEAD CIRCUMFERENCE	.7567	.7442	.6269	.6116	.5639	.5238	.4450	.4177	.2829	.4110
142 SAGITTAL ARC/INION	.4733	.4459	.3236	.2994	.2699	.2388	.1716	.2548	.1426	.1336
143 MINIMUM FRONTL ARC	.2955	.2694	.1758	.2178	.1936	.1865	.1653	.0770	.0772	.1898
144 BITRAGION-CORONAL	.2763	.2408	.1566	.1117	.0763	.0656	.0310	.0394	.2524	.3022
145 BITRAGN-MIN FRNTAL	.4809	.4478	.2956	.3142	.2578	.2329	.1921	.0432	.2521	.3674
146 BITRAGN-N-SUBNASALE	.3892	.3894	.2946	.4458	.4486	.4431	.4110	.0016	.2303	.4598
147 BITRAGION-MENTON	.3594	.3631	.3031	.4222	.4270	.4578	.5313	.0978	.3043	.5326
148 BIT-SUBMANDIBULAR	.2333	.2352	.2357	.3183	.3273	.3536	.4019	.1266	.2689	.5172
149 BITRAGN-N-POSTERIOR	.3883	.3799	.3833	.3736	.3557	.3428	.2954	.3814	.1735	.2985
150 HEAD LENGTH	.9286	.9063	.7507	.7354	.6830	.6269	.4889	.5310	.2354	.2701
151 HEAD DIAGNL/MENTON	.5757	.5594	.4545	.4893	.4623	.4593	.4270	.3202	.3613	.3925
152 HD DIAG/INION-NOSE	.5408	.5603	.4892	.5764	.5217	.4705	.3829	.3321	.1920	.2540
153 EAR BREADTH	.1028	.1123	.0887	.1878	.1592	.1579	.1733	.0726	.1579	.1801
154 EAR LENGTH	.1449	.1494	.1372	.2276	.1902	.1801	.1946	.0685	.2040	.2793
155 EAR L ABOVE TRAGION	.1279	.1330	.0915	.1561	.1262	.1094	.1008	.0568	.1204	.0950
156 HEAD BREADTH	.0684	.0535	.0403	.0356	.0083	.0057	.0547	.0154	.1304	.2926
157 MAXIMUM FRONTAL BR	.1576	.1390	.0709	.1138	.0890	.0933	.1070	.0701	.1956	.2963
158 BITRAGION BREADTH	.1090	.0986	.1091	.1733	.1543	.1593	.2297	.0210	.1892	.3875
159 BIZYGOMATIC BR"DTH	.1303	.1146	.0892	.1307	.1034	.1106	.1722	.0512	.1868	.4449
160 BIGONIAL BREADTH	.1327	.1204	.1085	.1131	.0908	.0930	.1322	.0256	.0999	.4023
161 EAR-TO-EAR BREADTH	.0828	.0792	.0785	.1080	.0736	.0503	.1057	.0463	.2054	.2663
162 BIOCLAR BREADTH	.1691	.1529	.0562	.1091	.0898	.0935	.0581	.0388	.1201	.1870
163 INTERPUPILLARY BRD	.1941	.1808	.0949	.1356	.1165	.1171	.0957	.0250	.1350	.1897
164 INTEROCULAR BR"DTH	.1828	.1756	.0883	.1397	.1340	.1413	.1207	.0214	.1046	.1626
165 NOSE BREADTH	.1830	.1661	.1592	.1954	.2047	.2625	.2659	.0835	.0445	.1825
166 LIP LENGTH	.1833	.1804	.1481	.2230	.2126	.2378	.2539	.0380	.0803	.1736
167 EAR PROTRUSION	.0067	.0007	.0126	.0248	.0190	.0149	.0336	.0085	.0844	.1102
168 SUBNASALE-NASAL RT	.0967	.1615	.1290	.2967	.2040	.1199	.0757	.1007	.1812	.1296
169 PHILTRUM LENGTH	.1116	.1047	.1318	.0926	.1102	.1108	.0389	.0741	.0234	.1167
170 LIP-TO-LIP LENGTH	.0462	.0307	.0164	.0055	.0286	.0930	.1239	.0307	.0519	.0587
171 MENTON-SUBNASALE L	.2260	.2148	.1931	.1707	.1687	.1769	.0282	.1402	.1556	.1668
172 MENTON-NASAL ROOT	.2661	.2954	.2422	.3055	.2385	.2041	.0846	.1696	.2523	.2364
173 GLABELLA-TO-VERTEX	.1776	.0926	.0900	.2499	.3189	.3639	.4561	.1657	.0909	.0233
174 NASAL ROOT-TO-VRTX	.2290	.1287	.0556	.2317	.2979	.3420	.4399	.1576	.1610	.0777
175 XTRNL CANTHUS-VRTX	.2413	.1640	.0252	.1506	.2238	.2700	.3600	.1240	.1663	.1116
176 PRONASALE-TO-VRTX	.2442	.1618	.0478	.1850	.2998	.3669	.4702	.1581	.1694	.0699
177 SUBNASALE-TO-VRTX	.2684	.1887	.0177	.1467	.2593	.3325	.4479	.1425	.2065	.1024
178 STOMION-TO-VERTEX	.2992	.2218	.0256	.1013	.2039	.2711	.4334	.1084	.2171	.1200
179 MENTON-TO-VERTEX	.3525	.2837	.1046	.0049	.0968	.1507	.3049	.0297	.2583	.1830
180 TRAGION-TO-VERTEX	.2716	.2294	.0973	.0308	.0154	.0496	.1206	.0069	.1846	.1706

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
181 GLABELLA-TO-WALL		.9622	.7834	.7565	.7061	.6482	.4965	.5704	.2571	.2864
182 NASAL ROOT-TO-WALL	.9522		.7998	.8212	.7690	.7082	.5563	.5941	.2541	.2827
183 XTRNL CANTHUS-WALL	.7834	.7998		.7747	.7637	.7317	.6094	.7990	.1608	.2224
184 PRONASALE-TO-WALL	.7565	.8212	.7747		.9421	.8904	.7709	.6321	.2372	.3028
185 SUBNASALE-TO-WALL	.7061	.7690	.7637	.9421		.9561	.8368	.6503	.1976	.2818
186 LIP PROMIN"CE-WALL	.6482	.7082	.7317	.8904	.9561		.8805	.6355	.1787	.2882
187 CHIN PROMINCE-WALL	.4965	.5563	.6094	.7709	.8368	.8805		.5535	.1746	.3209
188 TRAGION-TO-WALL	.5704	.5941	.7990	.6321	.6503	.6355	.5535		.0791	.1312
189 GUESSED HEIGHT	.2571	.2541	.1608	.2372	.1976	.1787	.1746	.0791		.5733
190 GUESSED WEIGHT	.2864	.2827	.2224	.3028	.2818	.2882	.3209	.1312	.5733	

Section VI

THE CORRELATIONS--USAF FLYING PERSONNEL--1950

The U. S. Air Force's survey of flying personnel made during the spring and summer of 1950 was the first major anthropometric survey conducted by the USAF and represented in many ways a pioneering effort. One hundred and thirty-two measurements were made on a sample of 4063 men, all on active flying status.

This survey was organized and conducted by H.T.E. Hertzberg and Gilbert Daniels of the Aero Medical Laboratory, Wright-Patterson Air Force Base, Ohio, and reported on in Anthropometry of Flying Personnel-1950 (Hertzberg et al. 1954). The survey was conducted at 14 bases in Massachusetts, Michigan, Colorado, Washington, California, Texas, and Louisiana. The measuring team consisted of Antioch College students trained by Hertzberg and Daniels. The original statistical analyses were the initial activity of the Anthropology Research Project at Antioch College. The data analyses reported in the survey report were done prior to the availability of modern computer facilities. The data have since been "modernized" and the correlation coefficients and summary statistics included in this report were computed from the revised data. While almost all measurements had been made to the nearest millimeter, most of the millimeter figures were not included in the original punching of the data cards. Modernization of the data consisted of adding the millimeter figures, reducing the sample from 4063 to 4000 by eliminating subjects with missing data, eliminating menton-crinion length, bitragion-crinion arc, substernale height, penale height, and first phalanx length--digit III, and subjecting the data to a thorough editing.

The sample consisted of 99% Whites and 1% Blacks. Sixty-one percent were officers (10% second lieutenants, 30% first lieutenants, 17% captains, 3% majors, 1% lieutenant colonels and colonels), 15% were aviation cadets, and 24% were enlisted men (2% privates and corporals, 3% sergeants, 11% staff sergeants, 8% technical and master sergeants). Forty-seven percent were pilots or student pilots, 11% were bombardiers, 25% were navigators, 3% were observers, 13% flight engineers, 7% gunners, 3% were radio operators.* Mean ages for these groups were, respectively, 27.2, 30.4, 27.8, 30.7, 30.2, 26.7, and 26.4 years.

Five percent of the subjects were born in New England, 16% in the mid-Atlantic states, 11% in the south-Atlantic states, 18% in east-north-central states, 7% in east-south-central states, 14% in west-north-central

* A substantial number of subjects had more than a single rating; this is particularly true of the bombardiers, most of whom were also included among the navigators.

states, 15% in west-south-central states, 5% in the mountain states, 7% in the Pacific states, and 2% were foreign born. Three percent had less than a high school education; 5% had special training; 8%, 15%, 8% and 16% had one, two, three, or four years of college; and 1% had professional training. Twenty-eight percent were single, 69% married, and 3% divorced or separated.

Correlations for age and the 127 measurements for which complete data are available are given in Table VI. (Missing variable numbers 10, 13, 88, 109 and 127 represent variables eliminated in modernization of the data.)

TABLE VI

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
1 WEIGHT	.4781	.4751	.4781	.4743	.4381	.5081	.5215	.4485	.5204	.3894	.4746	.3087	.3790	.4615	
2 HEIGHT (STATURE)	.4781	.9840	.9840	.9861	.9915	.9773	.9627	.9746	.9746	.9746	.9746	.9746	.9746	.9746	
3 NASAL ROOT HEIGHT	.4751	.9840	.9840	.9861	.9915	.9773	.9627	.9746	.9746	.9746	.9746	.9746	.9746	.9746	
4 EYE HEIGHT	.4781	.9861	.9861	.9886	.9878	.9683	.9745	.9681	.9681	.9681	.9681	.9681	.9681	.9681	
5 TRACION HEIGHT	.4743	.9915	.9853	.9878	.9878	.9683	.9745	.9681	.9681	.9681	.9681	.9681	.9681	.9681	
6 CERVICALE HEIGHT	.4981	.9773	.9658	.9658	.9658	.9658	.9658	.9658	.9658	.9658	.9658	.9658	.9658	.9658	
7 SHOULDER HEIGHT	.5081	.9627	.9554	.9584	.9637	.9681	.9572	.9572	.9572	.9572	.9572	.9572	.9572	.9572	
8 SUPRATERNALE HT	.5215	.9709	.9729	.9747	.9778	.9746	.9559	.9665	.9665	.9665	.9665	.9665	.9665	.9665	
9 NIPPLE HEIGHT	.4486	.9535	.9493	.9508	.9546	.9498	.9559	.9665	.9665	.9665	.9665	.9665	.9665	.9665	
11 ELBOW HEIGHT	.5204	.9239	.9186	.9203	.9242	.9251	.9625	.9319	.9244	.9244	.9244	.9244	.9244	.9244	
12 WAIST HEIGHT	.3894	.9039	.8953	.8981	.9034	.9124	.9039	.9097	.9014	.8589	.7801	.8589	.8589	.8589	
14 WRIST HEIGHT	.4746	.8531	.8437	.8450	.8510	.8455	.8833	.8593	.8546	.9477	.7801	.8546	.8546	.8546	
15 GROUCH HEIGHT	.3087	.8593	.8633	.8644	.8631	.8657	.8521	.8628	.8694	.7955	.8605	.8622	.8622	.8622	
16 GLUTEAL FURROW HT	.3790	.8799	.8751	.8770	.8792	.8957	.8874	.8938	.8932	.8229	.8909	.9668	.9668	.9668	
17 KNUCKLE HEIGHT	.4615	.8175	.8115	.8129	.8175	.8170	.8615	.8257	.8242	.9244	.7429	.9668	.9668	.9668	
18 KNEECAP HEIGHT	.4179	.8323	.8252	.8278	.8288	.8476	.8377	.8491	.8354	.7904	.8360	.9668	.9668	.9668	
19 SITTING HEIGHT	.4106	.7674	.7514	.7537	.7584	.7111	.6988	.7175	.6809	.7072	.5845	.6907	.6907	.6907	
20 EYE HT/SITTING	.3957	.7101	.7328	.7317	.7123	.6588	.6558	.6739	.6449	.6671	.5429	.6522	.6522	.6522	
21 SHOULDER HT/SITTING	.4197	.6452	.6445	.6458	.6478	.6316	.6936	.6338	.6271	.7079	.5268	.6914	.6914	.6914	
22 WAIST HT/SITTING	.0872	.2710	.2771	.2736	.2594	.2631	.2631	.2565	.2562	.2806	.4368	.2847	.2847	.2847	
23 ELBOW REST HT/SIT	.2094	.1936	.2019	.2030	.1972	.1766	.2454	.1850	.1911	.3566	.0830	.4038	.4038	.4038	
24 THIGH CLEARANCE HT	.7249	.1914	.1899	.1880	.1796	.2058	.2126	.2306	.1850	.2533	.1422	.2732	.2732	.2732	
25 KNEE HT/SITTING	.5336	.0829	.0780	.0795	.0790	.0945	.0863	.0878	.0813	.0822	.0860	.7309	.7309	.7309	
26 POPLITEAL HT/SIT	.3266	.8153	.8135	.8183	.8157	.8189	.8122	.8203	.8267	.7536	.8112	.6555	.6555	.6555	
27 BUTTOCK-KNEE LENGTH	.5945	.8236	.8158	.8178	.8219	.8427	.8376	.8452	.8204	.7897	.8119	.7079	.7079	.7079	
28 BUTTOCK-LEG LENGTH	.4698	.8314	.8291	.8227	.8281	.8471	.8384	.8451	.8246	.7863	.8206	.7107	.7107	.7107	
29 SHOULDER-ELBOW LTH	.3544	.7510	.7430	.7471	.7523	.7607	.7635	.7494	.7328	.6181	.7392	.5005	.5005	.5005	
30 FOREARM-HAND LENGTH	.4260	.7936	.7905	.7928	.7974	.8032	.7924	.7986	.7779	.7206	.7699	.5778	.5778	.5778	
31 SPAN	.4419	.8391	.8321	.8344	.8397	.8367	.8182	.8358	.8111	.7137	.8068	.5735	.5735	.5735	
32 ARM REACH FR. WALL	.4158	.6821	.6775	.6799	.6836	.6876	.6683	.6848	.6557	.5841	.6563	.4734	.4734	.4734	
33 MAXIMUM REACH/WALL	.4129	.6925	.6879	.6897	.6952	.6996	.6865	.6932	.6653	.6133	.6812	.4907	.4907	.4907	
34 FUNCTIONAL REACH	.3990	.6458	.6404	.6425	.6463	.6558	.6323	.6505	.6216	.5488	.6241	.4435	.4435	.4435	
35 ELBOW-ELBOW BROTH	.8148	.1607	.1632	.1649	.1601	.1853	.2132	.2076	.1411	.2500	.1007	.2368	.2368	.2368	
36 HIP BREADTH/SITTING	.8436	.3326	.3283	.3306	.3254	.3578	.3679	.3718	.3061	.3893	.2866	.3622	.3622	.3622	
37 KNEE-KNEE BROTH/SIT	.7518	.3383	.3295	.3313	.3282	.3509	.3541	.3658	.3074	.3764	.2693	.3548	.3548	.3548	
38 BIACROMIAL DIAM"R	.4747	.4337	.4409	.4418	.4351	.4315	.3749	.4303	.3945	.3379	.3709	.2715	.2715	.2715	
39 SHOULDER BREADTH	.8049	.3216	.3213	.3236	.3206	.3334	.3314	.3490	.2868	.3316	.2471	.2928	.2928	.2928	
40 CHEST BREADTH	.7743	.2702	.2716	.2729	.2677	.2844	.3068	.3045	.2844	.3217	.2039	.2848	.2848	.2848	
41 WAIST BREADTH	.8081	.2330	.2234	.2257	.2281	.2717	.2749	.2805	.2084	.2757	.1857	.2436	.2436	.2436	
42 HIP BREADTH	.7938	.4606	.4604	.4624	.4582	.4802	.4810	.4903	.4255	.4802	.4084	.4359	.4359	.4359	
43 CHEST DEPTH	.7607	.1687	.1781	.1799	.1722	.2000	.2176	.2304	.1791	.2317	.1346	.1994	.1994	.1994	
44 WAIST DEPTH	.7715	.1520	.1482	.1512	.1526	.1873	.1946	.2044	.1408	.2074	.0965	.1848	.1848	.1848	
45 BUTTOCK DEPTH	.8185	.1681	.1583	.1613	.1617	.1999	.2114	.2200	.1504	.2472	.1287	.2401	.2401	.2401	
46 NECK CIRCUMFERENCE	.7014	.2295	.2228	.2241	.2180	.2446	.2377	.2536	.1887	.2529	.1613	.2360	.2360	.2360	
47 SHOULDER CIRCUM"CE	.8435	.2778	.2775	.2798	.2755	.2974	.3023	.3231	.2640	.3132	.2162	.2754	.2754	.2754	

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
48 CHEST CIRCUMF"ENCE	.8584	.2685	.2761	.2777	.2722	.2875	.3114	.3146	.2505	.3273	.2046	.2854	.1653	.2213	.2776
49 WAIST CIRCUMF"ENCE	.8525	.2001	.2003	.2030	.2000	.2369	.2483	.2540	.1821	.2612	.1339	.2292	.0927	.1802	.2233
50 BUTTOCK CIRCUMF"CE	.9276	.3555	.3523	.3549	.3513	.3796	.3887	.3992	.3270	.4113	.2870	.3796	.1869	.2550	.3717
51 THIGH CIRCUMF"ENCE	.8608	.2110	.2110	.2130	.2087	.2357	.2503	.2576	.1943	.2827	.1532	.2631	.0758	.1296	.2604
52 LOWER THIGH CIRC.	.7094	.2045	.1984	.2000	.1948	.2212	.2243	.2388	.1842	.2491	.1462	.2333	.0662	.1278	.2338
53 CALF CIRCUMFERENCE	.7676	.2440	.2416	.2441	.2375	.2532	.2507	.2741	.2221	.2827	.1646	.2581	.1202	.1583	.2535
54 ANKLE CIRCUMF"ENCE	.6617	.3001	.2949	.2971	.2905	.3057	.3087	.3218	.2581	.3296	.2269	.3091	.1623	.2022	.3027
55 SCYE CIRCUMFERENCE	.5912	.2690	.2672	.2674	.2685	.2748	.2925	.2978	.2431	.2926	.2174	.2737	.1542	.2082	.2587
56 AXILLARY ARM CIRC.	.8077	.1342	.1403	.1421	.1373	.1568	.1685	.1867	.1195	.2019	.0836	.1801	.0160	.0800	.1779
57 BICEPS CIRC-FLEXED	.8040	.1188	.1233	.1255	.1193	.1363	.1518	.1681	.0983	.1919	.0553	.1781	.0111	.0517	.1785
58 ELBOW CIRC-FLEXED	.6452	.2954	.2970	.2985	.2971	.3017	.3104	.3240	.2760	.3252	.2352	.2906	.1933	.2194	.2752
59 LOWER ARM C-FLEXED	.7649	.2194	.2286	.2304	.2225	.2287	.2404	.2563	.1978	.2665	.1382	.2326	.1241	.1378	.2296
60 WRIST CIRCUMF"ENCE	.6550	.3067	.3020	.3029	.3030	.3085	.3103	.3268	.2696	.3181	.2222	.2832	.1494	.1887	.2684
61 SLEEVE INSEAM	.1905	.6459	.6405	.6416	.6479	.6464	.6278	.6392	.6378	.5303	.6412	.4100	.6629	.6659	.3654
62 SLEEVE LENGTH	.5049	.7250	.7208	.7232	.7267	.7288	.7139	.7308	.6986	.6226	.6924	.5037	.6828	.7057	.4618
63 ANTERIOR NECK LGTH	.2151	.2669	.2861	.2832	.2713	.2207	.2035	.1716	.1898	.1791	.2046	.1711	.2036	.1632	.1584
64 POSTERIOR NECK LTH	-.0356	.2203	.1938	.1960	.2195	.1097	.1495	.1749	.1697	.1509	.1374	.1478	.1273	.1198	.1243
65 SHOULDER LENGTH	.1566	.3760	.3663	.3698	.3789	.3613	.2868	.3484	.3294	.2437	.3242	.1854	.3338	.3100	.1732
66 WAIST BACK	.3769	.6070	.5835	.5853	.6013	.6449	.5808	.5839	.5396	.5632	.3792	.5433	.4076	.4424	.5298
67 WAIST FRONT	.5616	.4321	.4295	.4305	.4297	.4257	.4296	.4761	.4349	.4536	.1973	.4458	.2430	.3069	.4424
68 GLUTEAL ARC	.3555	.3170	.3216	.3230	.3172	.3187	.3236	.3224	.2956	.3466	.4041	.3366	.1744	.1324	.3306
69 GROUCH LENGTH	.6274	.2803	.2714	.2743	.2752	.2962	.2999	.3050	.3246	.3344	.3549	.3396	.0492	.1162	.3350
70 VERTICAL TRUNK C.	.4950	.2066	.2077	.2079	.2062	.2142	.2265	.2176	.1795	.2602	.1449	.2639	.0852	.1236	.2700
71 INTERSCYE	.5614	.3175	.3130	.3158	.3164	.3235	.3207	.3313	.2856	.3248	.2539	.3016	.1784	.2332	.2946
72 INTERSCYE-MAXIMUM	.8877	.3101	.3112	.3140	.3072	.3387	.3493	.3591	.2910	.3681	.2627	.3365	.1631	.2308	.3308
73 BUTTOCK CIRC/SIT.	.8210	.4947	.4931	.4971	.4903	.5131	.5192	.5335	.4784	.5228	.4310	.4734	.3907	.4261	.4579
74 KNEE CIRC/SITTING	.4549	.7103	.7009	.7029	.7043	.7064	.6870	.7019	.6740	.6479	.6516	.5698	.6367	.6426	.5243
75 FOOT LENGTH	.4195	.6654	.6546	.6568	.6603	.6582	.6458	.6547	.6308	.6035	.5960	.5319	.5956	.5973	.4961
76 INSTEP LENGTH	.4781	.4248	.4168	.4172	.4156	.4151	.4145	.4230	.3859	.4040	.3599	.3643	.3034	.3170	.3427
77 FOOT BREADTH	.5332	.3162	.3100	.3120	.3102	.3153	.3205	.3283	.2806	.3090	.2557	.2529	.2403	.2388	.2343
79 BI-MALLEOLAR BR"TH	.4639	.4981	.4971	.4980	.4981	.4891	.4783	.4955	.4542	.4711	.4312	.4212	.4077	.3763	.3976
80 MED" L MALLEOLUS HT	.3532	.4615	.4550	.4554	.4575	.4540	.4536	.4549	.4346	.4531	.4062	.4401	.3534	.3745	.4055
81 LAT" L MALLEOLUS HT	.2766	.4319	.4222	.4220	.4268	.4364	.4340	.4362	.4203	.4297	.4209	.4334	.3540	.4077	.4000
82 BALL OF FOOT CIRC.	.5452	.4159	.4092	.4111	.4101	.4142	.4116	.4262	.3841	.4087	.3508	.3705	.2998	.3187	.3551
83 HAND LENGTH	.3816	.6578	.6535	.6548	.6552	.6549	.6413	.6529	.6311	.5973	.6105	.4977	.5991	.6154	.4408
84 PALM LENGTH	.3387	.5680	.5600	.5616	.5646	.5700	.5546	.5653	.5421	.5186	.5296	.4407	.4992	.5306	.3886
85 HAND BREADTH/THUMB	.4027	.4033	.3916	.3934	.3957	.3975	.3944	.4029	.3710	.3778	.3469	.3185	.2899	.3218	.2935
86 HAND B/METACARPALE	.4333	.4114	.4092	.4103	.4082	.4036	.4057	.4111	.3770	.3888	.3506	.3178	.3263	.3189	.2954
87 THICKNESS-META III	.3852	.2677	.2610	.2637	.2686	.2701	.2756	.2765	.2530	.2721	.2311	.1834	.2026	.2268	.2668
89 FINGER DIAMETER	.4545	.2956	.2833	.2897	.2931	.2906	.2930	.3034	.2517	.2802	.2220	.2441	.1692	.1890	.2191
90 GRIP DIAM"R INSIDE	.1670	.4833	.4856	.4868	.4811	.4680	.4570	.4672	.4650	.4115	.4508	.3309	.4846	.4698	.2895
91 GRIP DIAM. OUTSIDE	.3043	.5124	.5101	.5120	.5127	.4984	.4882	.5033	.4841	.4488	.4591	.3660	.4650	.4564	.3259
92 FIST CIRCUMFERENCE	.5030	.3869	.3838	.3853	.3848	.3774	.3743	.3965	.3538	.3610	.3201	.3009	.2835	.2944	.2794
93 HEAD LENGTH	.2756	.2593	.2344	.2380	.2370	.2370	.2356	.2376	.2189	.2321	.1920	.2169	.1862	.1874	.2123

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
94 HEAD BREADTH	.3211	.1140	.1092	.1093	.0910	.1107	.1119	.1226	.0942	.1160	.0806	.1052	.0597	.0677	.1005
95 MIN FRONTAL DIAMETER	.3778	.1700	.1833	.1825	.1624	.1723	.1767	.1836	.1658	.1788	.1181	.1594	.1666	.1414	.1473
96 MAX FRONTAL DIAMETER	.3963	.1776	.1927	.1928	.1749	.1782	.1858	.1917	.1729	.1888	.1277	.1581	.1737	.1423	.1545
97 BIZYGOMATIC DIAMETER	.4953	.2216	.2289	.2295	.2136	.2296	.2377	.2405	.2128	.2360	.1778	.2097	.1493	.1646	.2043
98 BIGONIAL DIAMETER	.3659	.2021	.2079	.2087	.2012	.1991	.2099	.2113	.1840	.2025	.1534	.1782	.1412	.1454	.1703
99 BITRAGON DIAMETER	.4070	.2329	.2371	.2378	.2292	.2443	.2410	.2473	.2259	.2364	.1946	.2166	.1611	.1805	.2098
100 INTEROCULAR DIAMETER	.1387	.0662	.0644	.0668	.0527	.0633	.0655	.0662	.0601	.0655	.0468	.0594	.0271	.0375	.0605
101 BIOCLAR DIAMETER	.2429	.1628	.1481	.1497	.1437	.1640	.1484	.1642	.1397	.1405	.1407	.1438	.0420	.1080	.1362
102 INTERPUPILLARY DIS	.2085	.1765	.1659	.1682	.1602	.1774	.1749	.1761	.1614	.1675	.1518	.1613	.0932	.1335	.1499
103 NOSE LENGTH	.1034	.2129	.2314	.2245	.2159	.1954	.1936	.1960	.1926	.1778	.1753	.1566	.1942	.1533	.1363
104 NOSE BREADTH	.2129	.0787	.0678	.0699	.0693	.0788	.0804	.0898	.0544	.0787	.0511	.0704	.0061	.0412	.0688
105 NASAL ROOT BREADTH	.1425	.0338	.0239	.0232	.0176	.0412	.0230	.0385	.0199	.0328	.0216	.0569	.0660	.0029	.0651
106 NOSE PROTRUSION	.1223	.2300	.2393	.2365	.2312	.2297	.2205	.2213	.2011	.2011	.1951	.1617	.2598	.1993	.1537
107 PHILTRUM LENGTH	.1055	.0992	.0980	.0968	.0866	.0918	.0909	.0875	.0716	.0921	.0745	.0869	.0418	.0663	.0783
108 MENTON-SUBNASALE	.1532	.1803	.1872	.1850	.1650	.1661	.1661	.1635	.1493	.1629	.1318	.1420	.1309	.1364	.1344
110 LIP-LIP DISTANCE	.0407	.0823	.0797	.0787	.0734	.0709	.0634	.0675	.0831	.0580	.0799	.0449	.1129	.0934	.0415
111 LIP LENGTH	.2426	.1123	.1119	.1132	.1166	.1143	.1226	.1210	.0912	.1210	.0839	.1145	.0584	.0670	.1047
112 EAR LENGTH	.3346	.2648	.2585	.2599	.2674	.2619	.2664	.2620	.2337	.2677	.2093	.2542	.1595	.1793	.2401
113 EAR BREADTH	.1697	.1603	.1677	.1664	.1646	.1618	.1563	.1647	.1527	.1444	.1364	.1308	.1258	.1247	.1183
114 EAR LTH ABOVE TRAG	.1829	.1415	.1334	.1349	.1499	.1412	.1528	.1392	.1346	.1556	.1258	.1497	.0899	.1002	.1335
115 EAR PROTRUSION	.0517	.0950	.0845	.0856	.0870	.0983	.0924	.0926	.0838	.0854	.0882	.0735	.0609	.0696	.0609
116 HEAD HEIGHT	.2261	.2070	.1788	.1775	.1545	.1777	.1753	.1806	.1523	.1845	.1453	.1834	.1210	.1398	.1738
117 MENTON PROJECTION	.1804	.0926	.1009	.1011	.0910	.1052	.0995	.1023	.0973	.0946	.0632	.0875	.0854	.0787	.0952
118 EXT'L CANTHUS-WALL	.2089	.1909	.1768	.1772	.1749	.1830	.1816	.1736	.1622	.1799	.1523	.1683	.1485	.1574	.1629
119 NASAL ROOT TO WALL	.2500	.2683	.2410	.2426	.2469	.2510	.2483	.2522	.2285	.2542	.2145	.2440	.1910	.2045	.2316
120 TRAGION TO WALL	.1548	.1112	.1092	.1095	.0984	.1138	.1150	.0967	.0777	.1195	.0834	.1179	.0942	.1035	.1122
121 LARYNX TO WALL	.3354	.2389	.2464	.2474	.2340	.2705	.2610	.2300	.1852	.2381	.2190	.2098	.1855	.2229	.1933
122 HEAD CIRCUMFERENCE	.4855	.2792	.2630	.2648	.2517	.2704	.2734	.2804	.2470	.2684	.2162	.2474	.1754	.2067	.2392
123 SAGITTAL ARC	.1886	.2396	.2079	.2108	.2085	.1970	.1954	.2059	.1924	.1951	.1514	.1714	.2056	.1658	.1718
124 BITRAG-CORONAL ARC	.2717	.2467	.2064	.2072	.1878	.2111	.1979	.2120	.1798	.1977	.1683	.1983	.1194	.1430	.1931
125 MINIMUM FRONTAL ARC	.1820	.1017	.0918	.0929	.0901	.1103	.1003	.1068	.0973	.0988	.0741	.0937	.0542	.0750	.1062
126 BIT-MIN-FRONTAL ARC	.4097	.2628	.2570	.2586	.2378	.2552	.2556	.2623	.2365	.2495	.2084	.2325	.1708	.1915	.2203
128 BITRAG-MENTON ARC	.5674	.3221	.3095	.3127	.3245	.3177	.3264	.3354	.2959	.3198	.2531	.2868	.2128	.2449	.2766
129 BIT-SUBMANDIBULAR	.5766	.2661	.2497	.2531	.2728	.2638	.2808	.2829	.2365	.2855	.1950	.2640	.1432	.1864	.2549
130 BIT-SUBNASALE ARC	.5357	.2575	.2436	.2462	.2550	.2626	.2697	.2812	.2465	.2730	.2119	.2574	.1438	.1918	.2487
131 POSTERIOR ARC	.5433	.2594	.2419	.2437	.2506	.2646	.2625	.2706	.2246	.2702	.1981	.2611	.1039	.1762	.2480
132 BITRAG-INION ARC	.2527	.1646	.1429	.1435	.1429	.1618	.1464	.1578	.1294	.1464	.1374	.1578	.0132	.1099	.1477
133 AGE	.1792	.0251	.0053	.0067	.0114	.0191	.0075	.0073	.0535	.0009	.0518	.0095	.0720	.0626	.0093

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

1	WEIGHT	.4179	.4106	.3957	.4197	.0872	.2094	.7249	.5336	.3266	.5945	.4698	.3644	.29	.30	.31	.32
2	HEIGHT (STATURE)	.8323	.7674	.7101	.6452	.2710	.1936	.1914	.8829	.8183	.8236	.8314	.7510	.7996	.8391	.4419	.4158
3	NASAL ROOT HEIGHT	.8252	.7514	.7328	.6445	.2761	.2019	.1889	.8780	.8158	.8201	.7450	.7905	.8321	.6821	.8391	.6821
4	EYE HEIGHT	.8278	.7537	.7317	.6458	.2771	.2030	.1880	.8795	.8183	.8178	.8227	.7471	.7928	.8344	.6799	.6799
5	FRAGION HEIGHT	.8288	.7584	.7123	.6478	.2736	.1972	.1796	.8790	.8157	.8281	.7523	.7974	.8397	.6836	.8367	.6836
6	CERVICALE HEIGHT	.8476	.7111	.6588	.6316	.2594	.1766	.2058	.8945	.8189	.8427	.8471	.7607	.8032	.8367	.6876	.6876
7	SHOULDER HEIGHT	.8377	.6988	.6558	.6936	.2631	.2454	.2126	.8863	.8122	.8376	.8384	.7635	.7924	.8182	.6683	.6683
8	SUPRASTERNAL HT	.8491	.7175	.6739	.6338	.2565	.1850	.2306	.8978	.8203	.8451	.7494	.7986	.8358	.6848	.8358	.6848
9	NIPPLE HEIGHT	.8354	.6809	.6449	.6271	.2562	.1911	.1950	.8813	.8267	.8204	.8246	.7328	.7779	.8111	.6557	.6557
11	ELBOW HEIGHT	.7904	.7072	.6671	.7079	.2806	.3566	.2533	.8322	.7536	.7997	.7863	.7206	.7137	.5841	.7137	.5841
12	WAIST HEIGHT	.8360	.5645	.5429	.5268	.4368	.0830	.1422	.8650	.8112	.8119	.8206	.7392	.7699	.8068	.6563	.6563
14	WRIST HEIGHT	.6980	.6907	.6522	.6914	.2847	.4038	.2732	.7309	.6555	.7079	.7107	.5005	.5778	.5735	.7434	.7434
15	CROTCH HEIGHT	.8294	.4660	.4447	.4202	.1304	-.0174	.0706	.8821	.8898	.8036	.7940	.7375	.7653	.8058	.6465	.6465
16	GLUTEAL FURROW HT	.8794	.4711	.4392	.4275	.1200	-.3357	.1242	.9146	.8754	.8468	.8486	.7561	.7867	.8190	.6723	.6723
17	KNUCKLE HEIGHT	.6681	.6710	.6300	.6804	.2829	.4331	.2263	.6921	.6105	.6757	.6751	.4514	.5184	.5125	.4264	.4264
18	KNEECAP HEIGHT	.4591	.4232	.4077	.1042	-.0248	.1751	.8951	.8233	.7752	.8114	.6983	.7754	.7815	.6530	.6530	.6530
19	SITTING HEIGHT	.4591	.9189	.8298	.5033	.5835	.5835	.1852	.5099	.4489	.4491	.4728	.4590	.5003	.5360	.4099	.4099
20	EYE HT/SITTING	.4232	.9189	.8298	.8182	.4985	.5919	.1937	.4768	.4271	.4127	.4270	.4282	.4566	.5005	.3882	.3882
21	SHOULDER HT/SITTING	.4077	.8298	.8182	.4619	.1243	.0064	.2711	.9022	.7274	.8307	.7329	.7322	.7468	.8941	.7365	.7365
22	WAIST HT/SITTING	.1042	.5033	.4985	.5210	.5210	.7495	.2030	.4619	.4005	.4070	.4194	.4427	.4449	.4533	.3438	.3438
23	ELBOW REST HT/SIT	-.0248	.5835	.5919	.7495	.4845	.4845	.0232	.1243	.1197	.0718	.0960	.1412	.1377	.1604	.1010	.1010
24	THIGH CLEARANCE HT	.1751	.1852	.1937	.2030	.0232	.1196	.1196	.0064	-.0178	-.0306	-.0225	-.1321	-.0067	-.0613	-.0839	-.0839
25	KNEE HT/SITTING	.8951	.5099	.4768	.4271	.4005	.1197	.1243	.9022	.7274	.8307	.7329	.7322	.7468	.8941	.7365	.7365
26	POPITIAL HT/SIT	.8223	.4489	.4271	.4005	.1197	.1243	.1243	.9022	.7274	.8307	.7329	.7322	.7468	.8941	.7365	.7365
27	BUTTOCK-KNEE LENGTH	.7752	.4491	.4127	.4070	.0718	-.0306	.3441	.8301	.7274	.8307	.7329	.7322	.7468	.8941	.7365	.7365
28	BUTTOCK-LEG LENGTH	.8114	.4728	.4270	.4194	.0960	-.0225	.2346	.8440	.7517	.8307	.7329	.7322	.7468	.8941	.7365	.7365
29	SHOULDER-ELBOW LTH	.6983	.4590	.4282	.4427	.1412	-.1321	.1207	.7399	.6895	.7085	.7085	.7024	.7468	.8941	.7365	.7365
30	FOREARM-HAND LENGTH	.7754	.5003	.4566	.4449	.1377	-.0067	.1577	.8204	.7471	.8307	.7329	.7322	.7468	.8941	.7365	.7365
31	SPAN	.7815	.5360	.5005	.4533	.1604	-.0613	.1558	.8369	.7828	.7560	.7350	.7350	.7350	.7350	.7350	.7350
32	ARM REACH FR. WALL	.6530	.4099	.3882	.3438	.1010	-.0839	.1731	.6939	.6172	.6470	.6626	.6744	.7365	.7608	.7608	.7608
33	MAXIMUM REACH/WALL	.6435	.4511	.4292	.4066	.1759	-.0122	.1633	.6893	.6331	.6438	.6301	.6332	.7263	.7730	.7273	.7273
34	FUNCTIONAL REACH	.6210	.3864	.3608	.3173	.0943	-.0939	.1699	.6580	.5790	.6151	.6320	.6449	.6882	.7213	.9387	.9387
35	ELBOW-ELBOW BROT	.1667	.1346	.1403	.1941	-.0438	.1314	.6270	.2478	.0778	.3405	.2058	.1043	.1644	.1676	.1954	.1954
36	HIP BREADTH/SITTING	.2795	.3203	.3024	.3511	.1407	.2135	.6325	.3832	.1856	.4494	.3353	.2502	.3004	.3006	.2791	.2791
37	KNEE-KNEE BRTH/SIT	.2894	.3178	.2957	.3172	.0902	.1794	.5809	.4006	.1798	.4079	.3316	.2432	.3147	.2959	.2755	.2755
38	BIACROMIAL DIAM"R	.3506	.3330	.3254	.1964	.0996	-.0296	.2612	.4441	.3872	.4197	.3535	.3556	.4247	.5317	.4137	.4137
39	SHOULDER BREADTH	.2868	.2851	.2759	.2684	.0429	.0961	.5658	.3726	.2168	.4312	.3112	.2744	.3276	.3877	.3375	.3375
40	CHEST BREADTH	.2626	.2187	.2135	.2583	-.0147	.1224	.5374	.3450	.1932	.4116	.2816	.2252	.2772	.3183	.2799	.2799
41	WAIST BREADTH	.2890	.1286	.1172	.1639	-.1006	.0014	.6023	.3421	.1463	.4330	.3255	.2434	.2555	.2718	.2916	.2916
42	HIP BREADTH	.3885	.3841	.3665	.3786	.1457	.1523	.5540	.4877	.3182	.5699	.4426	.3824	.4338	.4419	.3933	.3933
43	HEIST DEPTH	.2040	.1304	.1512	.2010	-.0219	.0959	.5697	.2739	.1083	.3578	.2547	.1581	.2048	.1703	.2397	.2397
44	WAIST DEPTH	.1712	.1079	.1086	.1533	-.0710	.0599	.5762	.2389	.0608	.3420	.2255	.1426	.1536	.1536	.1953	.1953
45	BUTTOCK DEPTH	.1820	.1736	.1603	.2138	.0331	.1441	.6764	.2427	.0359	.3609	.2255	.1160	.1514	.1285	.1811	.1811
46	NECK CIRCUMFERENCE	.2173	.2299	.2111	.2165	.0317	.1034	.5309	.2793	.1182	.3127	.2475	.1691	.2455	.2354	.2497	.2497
47	SHOULDER CIRCUM"CE	.2770	.2367	.2356	.2515	.0159	.1066	.6216	.3607	.1841	.4072	.3015	.2303	.2962	.3372	.3139	.3139

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
48 CHEST CIRCUMFERENCE	.2592	.2257	.2387	.2701	-.0043	.1353	.6232	.3543	.1535	.4276	.2978	.2262	.2580	.3033	.2944
49 WAIST CIRCUMFERENCE	.2232	.1322	.1395	.1852	-.0899	.0716	.6466	.3074	.1291	.4024	.2820	.1853	.2086	.2187	.2483
50 BUTTOCK CIRCUMFERENCE	.3035	.3218	.3110	.3395	.0822	.1898	.7357	.4143	.2068	.5050	.3697	.2638	.3132	.3194	.3150
51 THIGH CIRCUMFERENCE	.1909	.2155	.2181	.2553	.0397	.1879	.7469	.2911	.0327	.3875	.2462	.1404	.1843	.1880	.2008
52 LOWER THIGH CIRC.	.2012	.2001	.1826	.2043	.1307	.1307	.6065	.2807	.0780	.3252	.2264	.1388	.1904	.1802	.1903
53 CALF CIRCUMFERENCE	.2138	.2395	.2232	.2458	.0186	.1633	.6065	.3281	.1522	.3524	.2388	.1695	.2350	.2330	.2178
54 ANKLE CIRCUMFERENCE	.2725	.2808	.2612	.2757	.0593	.1670	.5109	.3718	.1937	.3491	.2835	.2008	.2823	.2598	.2446
55 SCYE CIRCUMFERENCE	.2380	.2418	.2333	.2572	.0512	.1016	.4317	.2945	.1654	.3241	.2737	.2420	.2627	.2624	.2698
56 AXILLARY ARM CIRC.	.1273	.1569	.1733	.1969	.6283	.1497	.6470	.2138	.0457	.2989	.1732	.0849	.1455	.1474	.1756
57 BICEPS CIRC-FLEXED	.1148	.1488	.1588	.1809	-.0092	.1492	.6460	.1942	.0118	.2778	.1592	.0607	.1486	.1292	.1727
58 ELBOW CIRC-FLEXED	.2593	.2617	.2588	.2626	.0569	.1245	.4601	.3413	.1971	.3590	.2917	.2268	.3321	.3107	.3184
59 LOWER ARM C-FLEXED	.1884	.2318	.2394	.2479	.0333	.1736	.5744	.2916	.1483	.3113	.2047	.1460	.2496	.2336	.2472
60 WRIST CIRCUMFERENCE	.2556	.3193	.3025	.3096	.0825	.1612	.4526	.3429	.1749	.3261	.2631	.2486	.3499	.3248	.3134
61 SLEEVE INSEAM	.6079	.3854	.3601	.3136	.1155	-.0998	.0138	.6385	.6239	.5693	.5660	.6743	.6803	.7284	.5754
62 SLEEVE LENGTH	.6805	.4695	.4381	.4038	.1262	-.0600	.2264	.7370	.6633	.7028	.6639	.7451	.7425	.8253	.6718
63 ANTERIOR NECK LGTH	.1293	.2904	.2973	.1566	.1381	.0650	-.2267	.1071	.1627	.0673	.1168	.1805	.1604	.1815	.1195
64 POSTERIOR NECK LTH	.1132	.2635	.2102	.1235	.0466	.0528	-.0678	.1057	.1195	.0920	.1105	.1088	.1406	.1530	.0958
65 SHOULDER LENGTH	.2916	.3109	.2798	.1241	.1081	-.0638	.0027	.3322	.3168	.2836	.2864	.2807	.3304	.4146	.2901
66 WAIST BACK	.4410	.5745	.5131	.4981	-.0630	.2281	.1758	.4805	.3991	.4475	.4750	.4264	.4497	.4618	.3925
67 WAIST FRONT	.3282	.4446	.4355	.4072	-.1496	.2590	.3743	.3744	.2516	.3848	.3275	.2563	.3158	.3217	.2670
68 GLUTEAL ARC	.1862	.3953	.3830	.3806	.5964	.3102	.2268	.2183	.1454	.2563	.1773	.1848	.2141	.2228	.1657
69 CROTCH LENGTH	.1853	.3696	.3439	.3761	.5173	.3046	.4309	.2318	.0749	.3019	.2239	.1608	.1847	.1850	.1860
70 VERTEICAL TRUNK C.	.3961	.6073	.5837	.6217	.2599	.4371	.5785	.4800	.3126	.5236	.4454	.3530	.4072	.4137	.3741
71 INTERSCYE	.1510	.2376	.2392	.2486	.0649	.1869	.3502	.1843	.0937	.2594	.1867	.0953	.1222	.1420	.1643
72 INTERSCYE-MAXIMUM	.2743	.2985	.2888	.2734	.0724	.1212	.4031	.3175	.2003	.3516	.2873	.2417	.2956	.3271	.3171
73 BUTTOCK CIRC/SIT.	.2680	.2730	.2676	.3072	.0972	.1813	.6901	.3825	.1846	.4587	.3302	.2300	.2769	.2824	.2853
74 KNEE CIRC/SITTING	.4571	.3770	.3606	.3820	.0858	.1705	.6135	.5765	.3693	.5901	.4956	.3789	.4518	.4523	.4084
75 FOOT LENGTH	.6457	.5107	.4643	.4233	.1540	.0739	.2052	.7128	.6325	.6262	.6376	.5737	.7353	.7159	.5811
76 INSTEP LENGTH	.5930	.4821	.4340	.4030	.1207	.0693	.1859	.6606	.5894	.5892	.6137	.5423	.6704	.6483	.5448
77 FOOT BREADTH	.3709	.3650	.3259	.3232	.1240	.1261	.2891	.4363	.3237	.3863	.3670	.3510	.4351	.4261	.3555
78 HEEL BREADTH	.2640	.2784	.2599	.2681	.0638	.1072	.3381	.3601	.2401	.3413	.2978	.2857	.3307	.3420	.2867
79 BI-MALLEOLAR BR"TH	.4065	.4458	.4277	.3931	.2014	.1785	.2456	.4932	.3968	.4281	.3802	.3870	.4759	.4862	.3892
80 MED"LL MALLEOLUS HT	.4217	.3889	.3635	.3549	.1614	.1552	.2074	.4733	.3818	.3547	.3718	.3482	.4195	.3983	.3229
81 LAT"LL MALLEOLUS HT	.4556	.2847	.2502	.2514	.0964	.0449	.1551	.4695	.3905	.3655	.3948	.3311	.3845	.3661	.3012
82 BALL OF FOOT CIRC.	.3738	.3563	.3231	.3210	.1007	.1338	.3510	.4527	.3188	.4122	.3705	.3322	.4121	.4061	.3427
83 HAND LENGTH	.6263	.4534	.4254	.3895	.1285	.0471	.1387	.6677	.5993	.5550	.5763	.5720	.8043	.7442	.6122
84 PALM LENGTH	.5514	.3879	.3618	.3350	.0966	.0266	.1301	.5762	.4985	.4880	.5100	.4982	.6876	.6358	.5281
85 HAND BREADTH	.3573	.3377	.3027	.3034	.0977	.0961	.2123	.4048	.3019	.3474	.3400	.3423	.4810	.4463	.3564
86 HAND BYMETACAPALE	.3550	.3662	.3376	.3422	.1407	.1410	.2330	.4151	.3273	.3604	.3319	.3532	.4936	.4570	.3719
87 THICKNESS-META III	.2459	.2396	.2156	.2371	.0904	.0938	.2817	.2805	.1895	.2584	.2335	.2395	.3260	.2969	.2688
89 FINGER DIAMETER	.2449	.3161	.2855	.2974	.1162	.1365	.2812	.2988	.1848	.2595	.2324	.2768	.3710	.3310	.2969
90 GRIP DIAM"R INSIDE	.4393	.3179	.3036	.2512	.0982	.0093	.0046	.4863	.4811	.3873	.4134	.4100	.5622	.5481	.4294
91 GRIP DIAM. OUTSIDE	.4585	.3840	.3629	.3146	.1137	.0491	.0395	.5153	.4679	.4224	.4385	.4327	.5870	.5732	.4641
92 FIST CIRCUMFERENCE	.3476	.3378	.3214	.3002	.0978	.1050	.2920	.4088	.3000	.3562	.3277	.3228	.4581	.4348	.3753
93 HEAD LENGTH	.2081	.2365	.1917	.1902	.0436	.0384	.1576	.2444	.1992	.2124	.2054	.1824	.2300	.2226	.1847

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
94 HEAD BREADTH	.0957	.1119	.1014	.1017	.0251	.0462	.2394	.1387	.0874	.1368	.1098	.0836	.1055	.1320	.0913
95 MIN FRONTAL DIAMETER	.1291	.1579	.1711	.1676	.0291	.1092	.2804	.2168	.1865	.1990	.1429	.1181	.1466	.1682	.1431
96 MAX FRONTAL DIAMETER	.1274	.1863	.2030	.1967	.0696	.1382	.2989	.2209	.1975	.1960	.1401	.1240	.1507	.1797	.1425
97 BIZYGOMATIC DIAMETER	.1846	.2205	.2261	.2277	.0848	.1175	.3711	.2545	.1769	.2579	.2024	.1961	.2203	.2443	.1958
98 BIGNONIAL DIAMETER	.1760	.1949	.1931	.1939	.0568	.0911	.2698	.2198	.1597	.2238	.1889	.1906	.2076	.2162	.1867
99 BITRAGION DIAMETER	.2060	.2048	.2018	.2037	.0665	.0845	.2936	.2561	.1882	.2439	.2136	.1995	.2267	.2438	.1870
100 INTEROCULAR DIAMETER	.0702	.0737	.0630	.0731	.0333	.0483	.1125	.0853	.0518	.0597	.0621	.0586	.0805	.0775	.0638
101 BIOOCULAR DIAMETER	.1715	.1282	.0991	.0885	.0199	-.0042	.1835	.1772	.0893	.1632	.1687	.1501	.1844	.1789	.1591
102 INTERPUPILLARY DIS	.1622	.1538	.1264	.1378	.0543	.0459	.1502	.1708	.1127	.1629	.1562	.1534	.1727	.1706	.1382
103 NOSE LENGTH	.1427	.1949	.2080	.1476	.0777	.0476	.1502	.1708	.1127	.1629	.1562	.1534	.1727	.1706	.1382
104 NOSE BREADTH	.0808	.0740	.0563	.0674	-.0058	.0168	.1449	.0970	.0290	.0811	.0851	.0802	.1213	.1005	.0812
105 NASAL ROOT BREADTH	.0885	.0162	.0036	-.0002	-.0265	-.0137	.1102	.0670	-.0282	.0462	.0850	.0048	.0676	.0309	.0717
106 NOSE PROTRUSION	.1528	.1812	.1735	.1664	.0812	.0733	.0398	.2142	.2327	.1893	.1514	.1819	.1961	.2164	.1398
107 PHILTRUM LENGTH	.0935	.1011	.0894	.0747	.0231	.0290	.0704	.0805	.0511	.0760	.0807	.0679	.0817	.0674	.0446
108 MENTON-SUBNASALE	.1471	.1809	.1804	.1347	.0359	.0546	.0946	.1672	.1372	.1325	.1336	.1274	.1469	.1468	.1149
110 LIP-LIP DISTANCE	.0969	.0315	.0190	-.0145	-.0148	-.0440	.0290	.0956	.1010	.0627	.0812	.0531	.0880	.0735	.0475
111 LIP LENGTH	.1048	.1020	.1017	.1082	.0179	.0408	.1650	.1237	.0660	.1217	.1038	.1211	.1366	.1345	.1173
112 EAR LENGTH	.1979	.2545	.2289	.2277	.0683	.0968	.1988	.2278	.1469	.2449	.2199	.2111	.2325	.2324	.1991
113 EAR BREADTH	.1367	.1246	.1250	.1127	.0223	.0181	.0759	.1661	.1186	.1544	.1490	.1511	.1476	.1575	.1340
114 EAR LTH ABOVE TRAG	.1161	.1356	.1132	.1397	.0504	.0571	.1135	.1151	.0707	.1498	.1369	.1316	.1256	.1260	.0961
115 EAR PROTRUSION	.0850	.0699	.0451	.0534	.0261	.0074	.0182	.0805	.0632	.0687	.0755	.0902	.0942	.0956	.0902
116 HEAD HEIGHT	.1521	.2159	.1579	.1329	.0517	.0621	.1563	.1755	.1252	.1328	.1494	.1050	.1103	.1305	.1146
117 MENTON PROJECTION	.0884	.0565	.0545	.0549	-.0184	.0283	.1242	.1147	.0978	.1079	.0904	.0616	.0975	.0974	.1010
118 EXT'L CANTHUS-WALL	.1759	.1486	.1254	.1298	.0202	.0478	.1273	.1952	.1682	.1791	.1767	.1391	.1716	.1631	.1461
119 NASAL ROOT TO WALL	.2303	.2429	.1973	.1944	.0698	.0973	.1785	.2515	.2019	.1916	.2086	.1694	.1994	.2118	.1693
120 TRAGION TO WALL	.1101	.0668	.0677	.0662	-.0176	.0197	.1080	.1174	.0995	.1189	.1335	.0749	.0693	.0704	.0904
121 LARYNX TO WALL	.2330	.1627	.1625	.1832	.0346	.0253	.2004	.2617	.1811	.2470	.2700	.2431	.2250	.2080	.2311
122 HEAD CIRCUMFERENCE	.2420	.2453	.2124	.2205	.0413	.0844	.3372	.3030	.2075	.2901	.2607	.2240	.2685	.2717	.2211
123 SAGITTAL ARC	.1429	.2551	.1982	.1788	.0762	.1093	.1019	.2186	.2216	.1454	.1267	.1224	.1772	.1858	.1369
124 BITRAG-CORONAL ARC	.1823	.2663	.1809	.1595	.0571	.0707	.1650	.2091	.1381	.1794	.1821	.1391	.1826	.1888	.1337
125 MINIMUM FRONTAL ARC	.0976	.0950	.0763	.0985	.0197	.0598	.1276	.1235	.0804	.1030	.1046	.0727	.1086	.0971	.0853
126 BIT-MIN-FRONTAL ARC	.2281	.2505	.2315	.2156	.0739	.1029	.2747	.2824	.1965	.2435	.2165	.1999	.2575	.2582	.1985
128 BITRAG-MENTON ARC	.2853	.3004	.2675	.2770	.0601	.1181	.3727	.3536	.2391	.3363	.2889	.2741	.3402	.3386	.2892
129 BIT-SUBMANDIBULAR	.2219	.2736	.2324	.2686	.0498	.1410	.3998	.2842	.1775	.3013	.2450	.2119	.2596	.2492	.2349
130 BIT-SUBNASALE ARC	.2434	.2318	.1976	.2241	.0580	.1065	.3870	.3010	.1825	.2903	.2521	.2006	.2802	.2640	.2324
131 POSTERIOR ARC	.2182	.2472	.2098	.2323	.0461	.0978	.3850	.2548	.1396	.3004	.2734	.2088	.2294	.2341	.2319
132 BITRAG-INION ARC	.1726	.1321	.0913	.0718	-.0142	-.0281	.1716	.1505	.0426	.1784	.2022	.1390	.1659	.1493	.1552
133 AGE	-.0463	.0228	.0682	.0519	.0095	.0470	.0713	-.0471	-.0827	.0020	-.0228	-.0065	-.0514	-.0396	.0195

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1 WEIGHT	.4129	.3990	.8148	.8436	.7518	.4747	.8049	.7743	.8081	.7938	.7607	.7715	.8185	.7014	.8435
2 HEIGHT (STATURE)	.6925	.6468	.1607	.3326	.3383	.4337	.3216	.2702	.2330	.4606	.1687	.1520	.1681	.2295	.2778
3 NASAL ROOT HEIGHT	.6879	.6404	.1632	.3283	.3295	.4409	.3213	.2715	.2234	.4604	.1781	.1482	.1583	.2228	.2775
4 EYE HEIGHT	.6897	.6425	.1649	.3306	.3313	.4418	.3236	.2729	.2257	.4624	.1799	.1512	.1613	.2241	.2798
5 TRAGION HEIGHT	.6952	.6453	.1601	.3254	.3282	.4351	.3206	.2677	.2281	.4582	.1722	.1526	.1617	.2180	.2755
6 CERVICAL HEIGHT	.6996	.6558	.1853	.3578	.3509	.4315	.3334	.2844	.2717	.4802	.2000	.1873	.1999	.2446	.2974
7 SHOULDER HEIGHT	.6865	.6323	.2132	.3679	.3541	.3749	.3314	.3068	.2749	.4810	.2176	.1946	.2114	.2377	.3023
8 SUPRASTERNAL HT	.6932	.6505	.2076	.3718	.3658	.4303	.3490	.3045	.2805	.4903	.2304	.2044	.2200	.2536	.3231
9 NIPPLE HEIGHT	.6653	.6216	.1411	.3061	.3074	.3945	.2868	.2474	.2084	.4256	.1791	.1408	.1504	.1887	.2640
11 ELBOW HEIGHT	.6133	.5488	.2500	.3893	.3764	.3379	.3316	.3217	.2757	.4802	.2317	.2074	.2472	.2529	.3132
12 WAIST HEIGHT	.6812	.6241	.1007	.2866	.2693	.3709	.2471	.2039	.1857	.4084	.1346	.0965	.1287	.1613	.2162
14 WRIST HEIGHT	.4907	.4435	.2368	.3622	.3548	.2715	.2928	.2848	.2436	.4359	.1994	.1848	.2401	.2360	.2754
15 CROTCH HEIGHT	.6705	.6039	.0452	.1631	.1684	.3781	.1840	.1642	.1081	.3215	.0751	.0247	.0052	.0729	.1387
16 GLUTEAL FURROW HT	.6806	.6350	.1056	.2321	.2260	.3541	.2367	.2136	.2257	.3605	.1581	.1272	.1051	.1485	.2158
17 KNUCKLE HEIGHT	.4358	.4009	.2357	.3540	.3441	.2523	.2804	.2808	.2309	.4169	.1963	.1792	.2361	.2327	.2687
18 KNEECAP HEIGHT	.4511	.3864	.1346	.3203	.3178	.3330	.2851	.2187	.1285	.3841	.1304	.1079	.1736	.2299	.2367
19 SITTING HEIGHT	.4292	.3608	.1403	.3024	.2957	.3254	.2759	.2135	.1172	.3665	.1512	.1086	.1603	.2111	.2356
20 EYE HT/SITTING	.4066	.3173	.1941	.3511	.3172	.1964	.2684	.2583	.1639	.3786	.2010	.1533	.2138	.2165	.2515
21 SHOULDER HT/SITTING	.1759	.0943	-.0438	.1407	.0902	.0996	.0429	-.0147	-.1005	.1457	-.0219	-.0710	.0317	.0159	.0159
22 WAIST HT/SITTING	-.0122	-.0939	.1314	.2135	.1794	-.0296	.0961	.1224	.0014	.1623	.0959	.0599	.1441	.1034	.1066
24 THIGH CLEARANCE HT	.1633	.1699	.6270	.6325	.5809	.2612	.5658	.5374	.6023	.5640	.5697	.5762	.6754	.5309	.6216
25 KNEE HT/SITTING	.6893	.6580	.2478	.3832	.4006	.4441	.3726	.3450	.3421	.4377	.2739	.2389	.2427	.2793	.3607
26 POPLITEAL HT/SIT	.6331	.5790	.0778	.1856	.1798	.3872	.2168	.1932	.1463	.3182	.1083	.0608	.0359	.1182	.1841
27 BUTTOCK-KNEE LENGTH	.6438	.6151	.3405	.4494	.4079	.4197	.4312	.4116	.4330	.5699	.3578	.3420	.3609	.3127	.4072
28 BUTTOCK-LEG LENGTH	.6301	.6320	.2058	.3353	.3316	.3535	.3112	.2816	.3255	.4426	.2547	.2388	.2255	.2475	.3015
29 SHOULDER-ELBOW LTH	.6832	.6449	.1043	.2502	.2432	.3556	.2744	.2252	.2434	.3824	.1581	.1426	.1160	.1691	.2303
30 FOREARM-HAND LENGTH	.7263	.6882	.1644	.3004	.3147	.4247	.3276	.2772	.2655	.4338	.2048	.1536	.1514	.2455	.2962
31 SPAN	.7730	.7213	.1676	.3006	.2959	.5317	.3877	.3183	.2718	.4419	.1703	.1532	.1285	.2354	.3372
32 ARM REACH FR. WALL	.7273	.9387	.1954	.2791	.2755	.4137	.3375	.2793	.2916	.3933	.2397	.1953	.1811	.2497	.3139
33 MAXIMUM REACH/WALL	.7153	.1971	.2852	.2665	.4037	.3265	.2898	.2690	.4004	.2388	.1919	.1732	.2100	.2839	
34 FUNCTIONAL REACH	.1842	.2762	.2706	.4019	.3223	.2691	.3821	.2278	.1855	.1777	.2492	.3090			
35 ELBOW-ELBOW BIRTH	.1971	.1842	.7043	.6110	.3160	.7619	.7908	.7775	.6578	.6912	.7305	.7391	.6228	.7791	
36 HIP BREADTH/SITTING	.2852	.2762	.7043	.6110	.7051	.3135	.5786	.5509	.6158	.7210	.8109	.6513	.7665	.5709	.7141
37 KNEE-KNEE BIRTH/SIT	.2665	.2706	.6110	.3363	.3135	.7036	.6725	.6558	.7210	.8109	.6513	.6510	.7665	.5709	.7141
38 BIACROMIAL DIAMETER	.4037	.4019	.3160	.3363	.3135	.7036	.6725	.6558	.7210	.8109	.6513	.6510	.7665	.5709	.7141
39 SHOULDER BREADTH	.3265	.3223	.7619	.6725	.5786	.7036	.6725	.6558	.7210	.8109	.6513	.6510	.7665	.5709	.7141
40 CHEST BREADTH	.2898	.2691	.7908	.6558	.5509	.4812	.8179	.7208	.6621	.6257	.6134	.6030	.5885	.6143	.5230
41 WAIST BREADTH	.2690	.2790	.7775	.7210	.6158	.3128	.6992	.7208	.6750	.6801	.6303	.5885	.6143	.5230	.6519
42 HIP BREADTH	.4004	.3821	.6578	.8109	.6409	.4252	.6631	.6421	.6750	.6801	.6303	.5885	.6143	.5230	.6519
43 CHEST DEPTH	.2388	.2278	.6912	.6513	.5453	.2568	.6102	.6257	.6801	.6303	.5885	.6143	.5230	.6519	
44 WAIST DEPTH	.1919	.1855	.7305	.6510	.5500	.2474	.6222	.6134	.7971	.5885	.5915	.7873	.7099	.6070	.7077
45 BUTTOCK DEPTH	.1732	.1777	.7391	.7665	.6368	.2291	.6537	.6403	.7784	.7873	.7099	.6070	.7077		
46 NECK CIRCUMFERENCE	.2100	.2492	.6228	.5709	.5272	.3821	.6394	.5848	.6284	.5230	.5793	.5690	.6070		
47 SHOULDER CIRCUMFERENCE	.2839	.3090	.7791	.7141	.6179	.5419	.8713	.8149	.7406	.6519	.6996	.6621	.7077	.6858	

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
48 CHEST CIRCUMFERENCE	.3229	.2758	.8126	.7063	.5869	.4345	.7929	.8347	.7588	.6647	.7980	.7210	.7205	.6430	.8356
49 WAIST CIRCUMFERENCE	.2387	.2341	.8059	.7429	.5988	.3303	.7054	.7133	.8772	.6835	.7405	.8892	.8058	.6245	.7620
50 BUTTOCK CIRCUMFERENCE	.3069	.3087	.7741	.8895	.7311	.3928	.7393	.7049	.7842	.8294	.7130	.7430	.8395	.6388	.7963
51 THIGH CIRCUMFERENCE	.1971	.1989	.7375	.8180	.6903	.3251	.6875	.6566	.7184	.6924	.6826	.6876	.8087	.6010	.7522
52 LOWER THIGH CIRC.	.1561	.2004	.5962	.6401	.6564	.2599	.5637	.5362	.5830	.5354	.5390	.5234	.6288	.5421	.6473
53 CALF CIRCUMFERENCE	.1958	.2157	.6220	.6650	.6752	.3417	.6146	.5816	.5747	.5764	.5600	.5427	.6316	.5395	.6606
54 ANKLE CIRCUMFERENCE	.2072	.2486	.5082	.5851	.6464	.2989	.5053	.4791	.4860	.5375	.4573	.4192	.5149	.4804	.5566
55 SCYE CIRCUMFERENCE	.2553	.2645	.5391	.4838	.4411	.2820	.5457	.5031	.5074	.4586	.5014	.4670	.4911	.4906	.5923
56 AXILLARY ARM CIRC.	.1794	.1627	.7655	.7051	.5849	.3332	.7256	.6642	.7023	.6194	.7080	.7105	.7478	.6284	.7664
57 BICEPS CIRC-FLEXED	.1555	.1658	.7720	.6938	.6049	.3123	.7240	.6700	.6932	.6023	.6990	.6711	.7196	.6599	.7790
58 ELBOW CIRC-FLEXED	.2929	.2870	.5618	.5285	.5143	.3475	.5686	.5195	.5035	.5069	.4911	.4639	.4937	.5328	.6025
59 LOWER ARM C-FLEXED	.2277	.2307	.7130	.6141	.5854	.3925	.6793	.6242	.5842	.5733	.6098	.5823	.5961	.6227	.7164
60 WRIST CIRCUMFERENCE	.2799	.2970	.5587	.5339	.6132	.3429	.5773	.5239	.5200	.5190	.4825	.4726	.5019	.5546	.6075
61 SLEEVE INSEAM	.5926	.5499	.0364	.1014	.1267	.2868	.1075	.0702	.0700	.2239	.0192	.0250	.0394	.0503	.0639
62 SLEEVE LENGTH	.6661	.6364	.2774	.3660	.3461	.5376	.4788	.4066	.3490	.4707	.2743	.2353	.2328	.3118	.4208
63 ANTERIOR NECK LGTH	.1580	.1065	.2736	.2219	.1551	.0354	.1753	.2221	.2741	.1067	.3163	.2980	.3011	.1959	.2576
64 POSTERIOR NECK LGTH	.0950	.0727	.1018	.0703	.0164	.0040	.0316	.0412	.0944	.0358	.1070	.1117	.1056	.0726	.0735
65 SHOULDER LENGTH	.2531	.2653	.0129	.0737	.1014	.5177	.2577	.1408	.0369	.1613	.0170	.0265	.0251	.0678	.1791
66 WAIST BACK	.3900	.3789	.1870	.2630	.2864	.2842	.2721	.2118	.2405	.3400	.2109	.1891	.1815	.2440	.2352
67 WAIST FRONT	.3037	.2545	.4069	.4332	.4074	.2497	.4105	.4104	.4421	.4167	.4208	.4575	.4424	.3536	.4368
68 GLUTEAL ARC	.2436	.1623	.2139	.3789	.2880	.2009	.2513	.2185	.1740	.3556	.1735	.1822	.3185	.2124	.2205
69 GROUCH LENGTH	.1917	.1873	.4974	.6274	.5226	.2216	.4828	.4394	.4842	.5212	.4390	.4789	.6273	.4414	.5269
70 VERTICAL TRUNK C.	.3845	.3585	.6202	.6986	.6147	.3900	.6351	.5946	.5832	.6674	.5621	.5842	.6652	.5463	.6463
71 INTERSCYE	.1634	.1555	.5068	.3859	.3375	.2962	.5025	.4930	.4296	.3892	.3943	.3853	.3993	.4192	.5174
72 INTERSCYE-MAXIMUM	.2833	.3069	.4900	.4450	.3955	.4576	.5976	.5473	.4734	.4411	.4091	.3771	.4175	.5001	.6073
73 BUTTOCK CIRC/SIT.	.2723	.2820	.7474	.8560	.6808	.3734	.7042	.6843	.7638	.7677	.7024	.7556	.8008	.6208	.7566
74 KNEE CIRC/SITTING	.3967	.3930	.6111	.7108	.7549	.4083	.6079	.5956	.6190	.6748	.5880	.5643	.6350	.5420	.6462
75 FOOT LENGTH	.5805	.5546	.2133	.3366	.3909	.3996	.3289	.2793	.2775	.4664	.2306	.1835	.1936	.2799	.3038
76 INSTEP LENGTH	.4822	.5087	.1920	.3064	.3657	.3535	.2980	.2503	.2527	.4321	.2026	.1614	.1660	.2561	.2829
77 FOOT BREADTH	.3422	.3463	.3119	.3804	.4524	.3181	.3843	.3418	.3215	.4068	.2738	.2448	.2928	.3660	.3802
78 HEEL BREADTH	.3162	.2663	.4057	.4266	.4390	.2812	.4187	.4107	.4023	.4383	.3790	.3769	.3672	.3748	.4148
79 BI-MALLEOLAR BR"TH	.4677	.3755	.2987	.3483	.5097	.3796	.3675	.3310	.2582	.4534	.2522	.2134	.2224	.3014	.3248
80 MED"LL MALLEOLUS HT	.3310	.3176	.2054	.3052	.4066	.2562	.2855	.2223	.2085	.3627	.1829	.1592	.1959	.2118	.2507
81 LAT"LL MALLEOLUS HT	.3139	.2986	.1465	.2400	.2766	.1866	.2198	.1751	.2025	.2626	.1420	.1348	.1836	.1570	.1967
82 BALL OF FOOT CIRC.	.3449	.3294	.3782	.4442	.5215	.3269	.4358	.3862	.3851	.4508	.3337	.3248	.3752	.4238	.4165
83 HAND LENGTH	.5924	.5601	.1721	.2572	.2945	.3730	.2902	.2444	.2345	.3789	.1872	.1422	.1367	.2541	.2719
84 PALM LENGTH	.5070	.4888	.1626	.2426	.2764	.3209	.2635	.2198	.2331	.3378	.1775	.1377	.1456	.2358	.2526
85 HAND BREADTH/THUMB	.3376	.3346	.2707	.2905	.3583	.2831	.3483	.3017	.2801	.3423	.2504	.2031	.2141	.3488	.3522
86 HAND B/METACARPAL	.3614	.3431	.3090	.3014	.3855	.3333	.3782	.3353	.2767	.3649	.2556	.2096	.2153	.3690	.3607
87 THICKNESS-META III	.2431	.2501	.3188	.2849	.3390	.2405	.3434	.2963	.2848	.3050	.2504	.2549	.2513	.3334	.3468
89 FINGER DIAMETER	.2912	.2676	.3724	.3369	.4098	.2507	.3985	.3437	.3452	.3663	.3026	.3060	.3060	.3831	.3928
90 GRIP DIAM"R INSIDE	.4439	.3950	.0078	.0784	.0963	.2507	.1123	.0874	.0394	.1893	.0304	.0047	.0237	.0576	.0771
91 GRIP DIAM. OUTSIDE	.4721	.4266	.1083	.1841	.2172	.3107	.2424	.1951	.1507	.2853	.1290	.1009	.0901	.1864	.2015
92 FIRST CIRCUMFERENCE	.3643	.3435	.3759	.3601	.4202	.3469	.4413	.3915	.3452	.3947	.3403	.2893	.2996	.4097	.4348
93 HEAD LENGTH	.2084	.1758	.2042	.1839	.2042	.1891	.2307	.2370	.1851	.1889	.1372	.1576	.1692	.2439	.2212

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
94 HEAD BREADTH	.0996	.0934	.2842	.2930	.2483	.2069	.2894	.2714	.2768	.2708	.2177	.2241	.2284	.3183	.2980
95 MIN FRONTAL DIAMETER	.1534	.1419	.3086	.2946	.2627	.2538	.3141	.3085	.2508	.2918	.2688	.2590	.2374	.3196	.3268
96 MAX FRONTAL DIAMETER	.1652	.1356	.3275	.3085	.2646	.2765	.3384	.3249	.2501	.3072	.2840	.2609	.2419	.3298	.3441
97 BIZYGOMATIC DIAMETER	.2007	.1864	.4331	.4158	.3782	.3097	.4438	.4212	.3993	.4072	.3632	.3517	.3507	.4398	.4501
98 BIZYGOMATIC DIAMETER	.1941	.1778	.3114	.2868	.2745	.2450	.3316	.3032	.2877	.3036	.2840	.2644	.2533	.3223	.3234
99 BITRAGON DIAMETER	.1812	.1841	.3343	.3446	.3324	.2828	.3536	.3292	.3224	.3411	.2922	.2727	.2745	.3734	.3695
100 INTEROCULAR DIAMETER	.0795	.0702	.1087	.1145	.1345	.1090	.1501	.1354	.1083	.1196	.0959	.0822	.1095	.1863	.1401
101 BIOCULAR DIAMETER	.1376	.1657	.1780	.2243	.2449	.1800	.2487	.2132	.2314	.2158	.1665	.1537	.2038	.2917	.2504
102 INTERPUPILLARY DIS	.1462	.1419	.1419	.1762	.1825	.1445	.1849	.1700	.1682	.1986	.1434	.1304	.1382	.2005	.1879
103 NOSE LENGTH	.1729	.1459	.0692	.0587	.0903	.1652	.1058	.1079	.0378	.1353	.0276	.0107	.0150	.0520	.0750
104 NOSE BREADTH	.0818	.0754	.1756	.1603	.1767	.1170	.2004	.1590	.1683	.1410	.1678	.1415	.1587	.2614	.2160
105 NASAL ROOT BREADTH	.0018	.0904	.1059	.1344	.1755	.0978	.1445	.1279	.1526	.1070	.1034	.1186	.1617	.2361	.1683
106 NOSE PROTRUSION	.1533	.1291	.0478	.0682	.0746	.1863	.0929	.0852	.0253	.1440	.0281	.0118	.0125	.0498	.0645
107 PHILTRUM LENGTH	.0593	.0335	.0767	.0762	.0945	.0000	.0608	.0821	.0871	.0645	.0765	.0759	.0823	.0984	.0696
108 MENTON-SUBNASALE	.1171	.1093	.0934	.1104	.1295	.0857	.1028	.1208	.0960	.1085	.0687	.0780	.0811	.1375	.1117
110 LIP-LIP DISTANCE	.0345	.0411	.0931	.0483	.0081	.0116	.0596	.0547	.0859	.0636	.0778	.1108	.0693	.0181	.0676
111 LIP LENGTH	.1375	.1101	.2381	.1740	.1617	.1592	.2457	.2141	.2148	.2112	.1997	.2011	.1637	.2469	.2233
112 EAR LENGTH	.2166	.1871	.2624	.2637	.2341	.1730	.2614	.2682	.2678	.2929	.2655	.2620	.2463	.2214	.2571
113 EAR BREADTH	.1424	.1291	.1249	.1233	.1255	.1092	.1474	.1401	.1202	.1584	.1590	.1143	.1006	.1242	.1274
114 EAR LTH ABOVE TRAG	.1385	.0765	.1471	.1385	.1197	.0652	.1549	.1442	.1488	.1564	.1543	.1484	.1528	.0961	.1413
115 EAR PROTRUSION	.0967	.0810	.0361	.0496	.0554	.0273	.0298	.0311	.0429	.0464	.0019	.0252	.0244	.0139	.0220
116 HEAD HEIGHT	.1427	.1080	.1329	.1714	.1834	.0599	.1323	.1302	.1938	.0997	.0688	.1608	.1819	.1822	.1665
117 MENTON PROJECTION	.0692	.1073	.1516	.1151	.1055	.1974	.1851	.1563	.0914	.1315	.1185	.0809	.0979	.1534	.1848
118 EXT'L CANTHUS-WALL	.1675	.1401	.1664	.1364	.1495	.1323	.1678	.1564	.1425	.1577	.1485	.1449	.1361	.1827	.1697
119 NASAL ROOT TO WALL	.2095	.1603	.1541	.1749	.2239	.1275	.1795	.1754	.2048	.1221	.0839	.1522	.1845	.2235	.2018
120 TRAGION TO WALL	.1248	.0878	.1382	.0973	.1074	.0354	.0972	.0901	.1540	.1006	.1175	.1510	.1295	.1299	.1000
121 LARYNX TO WALL	.2814	.2201	.2544	.2569	.2687	.1093	.2165	.1796	.3473	.2569	.3309	.3122	.2606	.3091	.2343
122 HEAD CIRCUMFERENCE	.2306	.2244	.3787	.3911	.3685	.2882	.4145	.4018	.3884	.3669	.3296	.3215	.3601	.4519	.4242
123 SAGITTAL ARC	.1509	.1383	.0739	.1121	.1280	.2034	.1383	.1386	.0484	.1113	.0441	.0323	.0586	.1287	.1388
124 BITRAG-CORONAL ARC	.1449	.1371	.1861	.2416	.2361	.1746	.2259	.2158	.2079	.2189	.1149	.1586	.1974	.2649	.2234
125 MINIMUM FRONTAL ARC	.0462	.0999	.1146	.1573	.1599	.1366	.1447	.1351	.1301	.1296	.1059	.0903	.1075	.2129	.1809
126 BIT-MIN-FRONTAL ARC	.2096	.1966	.3222	.3378	.3241	.2739	.3540	.3569	.3109	.3332	.2626	.2665	.2864	.3725	.3606
128 BITRAG-MENTON ARC	.2859	.2798	.4696	.4421	.4267	.3735	.5228	.4810	.4450	.4422	.4232	.4029	.4164	.5007	.5206
129 BIT-SUBMANDIBULAR	.2324	.2194	.5062	.4527	.4214	.2927	.4948	.4759	.4934	.4371	.4670	.4925	.4831	.5069	.5063
130 BIT-SUBNASALE ARC	.2175	.2260	.4483	.4349	.4363	.3025	.4768	.4427	.4373	.4201	.4152	.3961	.4194	.4776	.4946
131 POSTERIOR ARC	.2278	.2302	.4586	.4465	.4102	.2636	.4685	.4245	.4833	.4107	.4254	.4346	.4670	.5002	.4786
132 BITRAG-INION ARC	.1308	.1637	.1948	.2234	.2421	.0932	.2092	.1862	.2717	.1894	.2472	.1941	.2472	.2902	.2270
133 AGE	.0343	.0077	.2870	.1219	.0226	.0147	.1563	.1961	.2308	.1952	.2633	.3336	.1634	.1009	.1583

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
1 WEIGHT	.8584	.8525	.9276	.8608	.7094	.7676	.6617	.5912	.8077	.8040	.6452	.7649	.6550	.1905	.5049
2 HEIGHT (STATURE)	.2685	.2001	.3555	.2110	.2045	.2440	.3001	.2690	.1342	.1188	.2954	.2194	.3067	.6469	.7260
3 NASAL ROOT HEIGHT	.2761	.2003	.3523	.2110	.1984	.2416	.2949	.2672	.1403	.1233	.2970	.2286	.3020	.6405	.7208
4 EYE HEIGHT	.2777	.2030	.3549	.2130	.2000	.2441	.2971	.2674	.1421	.1255	.2985	.2304	.3029	.6416	.7232
5 TRAGION HEIGHT	.2722	.2000	.3513	.2087	.1948	.2375	.2905	.2685	.1373	.1193	.2971	.2225	.3030	.6479	.7267
6 CERVICAL HEIGHT	.2875	.2369	.3796	.2357	.2212	.2748	.3057	.2748	.1568	.1363	.3017	.2287	.3085	.6464	.7288
7 SHOULDER HEIGHT	.3114	.2483	.3887	.2503	.2243	.2607	.3087	.2925	.1685	.1518	.3104	.2404	.3103	.6278	.7139
8 SUPRASTERNAL HT	.3146	.2540	.3992	.2576	.2388	.2741	.3218	.2978	.1867	.1681	.3240	.2563	.3268	.6392	.7308
9 NIPPLE HEIGHT	.2506	.1821	.3270	.1943	.1842	.2221	.2681	.2431	.1195	.0983	.2760	.2696	.6378	.6986	
11 ELBOW HEIGHT	.3273	.2612	.4113	.2827	.2491	.2827	.3296	.2926	.2015	.1919	.3252	.2665	.3181	.5303	.6226
12 WAIST HEIGHT	.2046	.1339	.2870	.1532	.1462	.1546	.2269	.2174	.0836	.0553	.2352	.1382	.2222	.6412	.6924
14 WRIST HEIGHT	.2854	.2292	.3796	.2631	.2333	.2581	.3091	.2737	.1801	.1781	.2906	.2326	.2832	.4100	.5037
15 GROUCH HEIGHT	.1663	.0927	.1869	.0758	.0662	.1202	.1523	.1542	.0160	.0111	.1933	.1241	.1494	.6629	.6828
16 GLUTEAL FURROW HT	.2213	.1802	.2550	.1296	.1278	.1583	.2022	.2082	.0800	.0517	.2194	.1378	.1887	.6659	.7057
17 KNUCKLE HEIGHT	.2776	.2233	.3717	.2604	.2338	.2535	.3027	.2587	.1773	.1785	.2752	.2296	.2684	.3654	.4618
18 KNEECAP HEIGHT	.2592	.2232	.3035	.1909	.2012	.2138	.2725	.2390	.1273	.1148	.2693	.1884	.2556	.6079	.6805
19 SITTING HEIGHT	.2257	.1322	.3218	.2155	.2001	.2395	.2808	.2418	.1563	.1488	.2588	.2394	.3025	.3601	.4381
20 EYE HT/SITTING	.2387	.1395	.3110	.2181	.1826	.2232	.2612	.2333	.1733	.1588	.2617	.2318	.3193	.3854	.4695
21 SHOULDER HT/SITTING	.2701	.1852	.3395	.2553	.2043	.2458	.2757	.2572	.1969	.1809	.2626	.2479	.3096	.3136	.4038
22 WAIST HT/SITTING	.0043	.0899	.0822	.0397	.0105	.0186	.0593	.0512	.0283	.0092	.0569	.0333	.0825	.1155	.1262
23 ELBOW REST HT/SIT	.1353	.0716	.1898	.1879	.1307	.1533	.1670	.1016	.1497	.1245	.1245	.1736	.1612	.0998	.0600
24 THIGH CLEARANCE HT	.6232	.6466	.7357	.7469	.6065	.6065	.5109	.4317	.6470	.6460	.4601	.5744	.4526	.0138	.0264
25 KNEE HT/SITTING	.3543	.3074	.4143	.2911	.2507	.3718	.3281	.2945	.2138	.1942	.3413	.2916	.3429	.6385	.7370
26 POPLITEAL HT/SIT	.1935	.1291	.2068	.0927	.0780	.1522	.1937	.1654	.0457	.0118	.1971	.1483	.1749	.6239	.6623
27 BUTTOCK-KNEE LENGTH	.4276	.4024	.5050	.3875	.3552	.3524	.3491	.3241	.2989	.2778	.3590	.3113	.3261	.5693	.7028
28 BUTTOCK-LEG LENGTH	.2978	.2820	.3697	.2462	.2264	.2388	.2835	.2737	.1732	.1592	.2917	.2047	.2631	.5660	.6639
29 SHOULDER-ELBOW LTH	.2262	.1853	.2638	.1404	.1388	.1595	.2008	.2420	.0849	.0607	.2268	.1460	.2486	.6743	.7451
30 FOREARM-HAND LENGTH	.2680	.2086	.3132	.1843	.1904	.2350	.2823	.2627	.1455	.1486	.3321	.2496	.3499	.6803	.7425
31 SPAN	.3033	.2187	.3194	.1880	.1802	.2330	.2598	.2624	.1474	.1292	.3107	.2336	.3248	.7284	.8253
32 ARM REACH FR. WALL	.2944	.2483	.3150	.2008	.1303	.2178	.2446	.2698	.1756	.1727	.3184	.2472	.3134	.5754	.6718
33 MAXIMUM REACH/WALL	.3229	.2387	.3069	.1971	.1561	.1358	.2072	.2553	.1794	.1555	.2929	.2277	.2799	.5926	.6661
34 FUNCTIONAL REACH	.2758	.2341	.3087	.1989	.2004	.2157	.2486	.2645	.1627	.1658	.2870	.2307	.2970	.5499	.6364
35 ELBOW-ELBOW BIRTH	.8126	.8059	.7741	.7375	.5362	.6220	.5082	.5391	.7655	.7720	.5618	.7130	.5587	.0364	.2774
36 HIP BREADTH/SITTING	.7063	.7429	.8895	.8180	.6401	.6550	.5851	.4838	.7051	.6938	.5285	.6141	.5339	.1014	.3660
37 KNEE-KNEE BIRTH/SIT	.5869	.5988	.7311	.6903	.6564	.6752	.6464	.4411	.5849	.6049	.5143	.5854	.6132	.1267	.3461
38 BIACROMIAL DIAMETER	.4345	.3303	.3928	.3251	.2599	.3417	.2989	.2820	.3332	.3123	.3475	.3925	.3429	.2868	.5376
39 SHOULDER BREADTH	.7929	.7054	.7393	.6875	.5637	.6146	.5053	.5457	.7256	.7240	.5686	.6793	.5773	.1075	.4788
40 CHEST BREADTH	.8347	.7133	.7049	.6566	.5362	.5816	.4791	.5031	.6642	.6700	.5196	.6242	.5239	.0702	.4066
41 WAIST BREADTH	.7588	.8772	.7842	.7184	.5830	.5747	.4860	.5074	.7023	.6932	.5036	.5842	.5200	.0700	.3490
42 HIP BREADTH	.6547	.6835	.8294	.6924	.5354	.5764	.5375	.4586	.6194	.6023	.5069	.5733	.5190	.2239	.4707
43 CHEST DEPTH	.7980	.7405	.7130	.6826	.5330	.5500	.4573	.5014	.7080	.6990	.4911	.6098	.4825	.0192	.2743
44 WAIST DEPTH	.7210	.8892	.7430	.6876	.5234	.5427	.4192	.4670	.7105	.6711	.4639	.5823	.4726	.0250	.2353
45 BUTTOCK DEPTH	.7205	.8058	.8395	.8087	.6288	.6316	.5149	.4911	.7478	.7196	.4937	.5961	.5019	.0394	.2328
46 NECK CIRCUMFERENCE	.6430	.6245	.6388	.6010	.5421	.5395	.4804	.4906	.6284	.6599	.5328	.6227	.5546	.0503	.3118
47 SHOULDER CIRCUMFERENCE	.8356	.7620	.7963	.7522	.6473	.6606	.5566	.5923	.7664	.7790	.6025	.7164	.6075	.0639	.4208

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

48	CHEST CIRCUMFERENCE	.8046	.49	.50	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	.61	.62
48	CHEST CIRCUMFERENCE	.8046	.8046	.7818	.7384	.5619	.6191	.4832	.5334	.7843	.7760	.5743	.7058	.5375	.0849	.4160
49	WAIST CIRCUMFERENCE	.8046	.8377	.7733	.5857	.6108	.4914	.5195	.7732	.7368	.5301	.6531	.5201	.0051	.2987	
50	BUTTOCK CIRCUMFERENCE	.7818	.8377	.8925	.7109	.7359	.6396	.5512	.7719	.7641	.5898	.5936	.0868	.3823		
51	THIGH CIRCUMFERENCE	.7384	.7733	.8925	.7407	.7468	.6148	.5031	.7630	.7655	.5451	.6764	.5324	.0065	.2897	
52	LOWER THIGH CIRC.	.5619	.5857	.7109	.7407	.7209	.6428	.4979	.5258	.6408	.4780	.5911	.5356	.0223	.2061	
53	CALF CIRCUMFERENCE	.6191	.6108	.7359	.7468	.7209	.7491	.4581	.4194	.6266	.6537	.5163	.6680	.5638	.0523	.2931
54	ANKLE CIRCUMFERENCE	.4832	.4914	.5396	.6148	.6428	.7491	.4194	.4194	.4795	.5312	.4606	.5549	.6030	.0906	.2751
55	SCYE CIRCUMFERENCE	.5334	.5195	.5512	.5031	.4979	.4581	.4194	.5438	.5749	.4824	.5404	.4889	.0553	.2905	
56	AXILLARY ARM CIRC.	.7849	.7732	.7719	.7630	.5726	.6266	.4795	.5438	.8680	.6030	.7468	.5616	.0295	.2739	
57	BICEPS CIRC-FLEXED	.7760	.7368	.7641	.7655	.6408	.6537	.5312	.5749	.8680	.6030	.7468	.5616	.0295	.2739	
58	ELBOW CIRC-FLEXED	.5743	.5301	.5898	.5451	.4780	.5163	.4606	.4824	.7468	.8048	.7715	.6908	.1139	.6283	
59	LOWER ARM C-FLEXED	.7058	.6531	.6939	.6764	.5911	.6580	.5549	.5404	.7468	.8048	.7715	.6908	.1139	.6283	
60	WRIST CIRCUMFERENCE	.5375	.5201	.5936	.5324	.5356	.5638	.6030	.4889	.5615	.6092	.5993	.6908	.1139	.6283	
61	SLEEVE INSEAM	.0849	.0051	.0868	.0065	.0223	.0523	.0906	.0553	.0235	.0563	.0884	.0240	.1139	.6283	
62	SLEEVE LENGTH	.4160	.2987	.3823	.2697	.2061	.2931	.2751	.2905	.2739	.2453	.3486	.3165	.3502	.6283	
63	ANTERIOR NECK LGTH	.2663	.3093	.2330	.2761	.2185	.2041	.1405	.1285	.2885	.2863	.1299	.2060	.1032	.1951	.1021
64	POSTERIOR NECK LGTH	.0659	.1324	.0674	.0852	.0374	.0298	.0085	.0105	.1020	.0822	.0220	.0459	.0219	.1264	.1117
65	SHOULDER LENGTH	.1052	.0178	.1020	.0376	.0623	.1164	.0975	.0463	.0332	.0250	.1281	.1103	.1417	.3020	.4044
66	WAIST BACK	.2438	.2198	.2980	.2017	.1954	.2137	.2446	.2041	.1525	.1560	.2199	.2059	.2831	.3528	.4331
67	WAIST FRONT	.4505	.4764	.4862	.4297	.3811	.3933	.3492	.3344	.4045	.4045	.3286	.3851	.3565	.2057	.3143
68	GLUTEAL ARC	.2425	.1838	.3548	.3115	.1883	.2302	.2251	.1496	.2592	.2294	.2049	.2321	.2191	.1770	.2383
69	CROTCH LENGTH	.4706	.4965	.5561	.6216	.5042	.4906	.4449	.3991	.5054	.4980	.3797	.4295	.4188	.0180	.2190
70	VERTICAL TRUNK C.	.6481	.6381	.7652	.6828	.5432	.5861	.5262	.4848	.6111	.6001	.5169	.5845	.5347	.1950	.4421
71	INTERSCYE	.5180	.4395	.4578	.4195	.3309	.3307	.2876	.3421	.4322	.4484	.3567	.4393	.3562	.0068	.2245
72	INTERSCYE-MAXIMUM	.5515	.4581	.5095	.4583	.3947	.4148	.3726	.4125	.4682	.4859	.4263	.4773	.4245	.1349	.3910
73	BUTTOCK CIRC/SIT.	.7646	.8277	.9079	.8393	.6571	.6867	.5880	.5101	.7580	.7356	.5454	.6726	.5456	.0856	.3532
74	KNEE CIRC/SITTING	.6545	.6415	.7653	.7240	.6571	.7147	.6516	.4713	.6074	.6126	.5439	.6203	.5725	.2354	.4774
75	FOOT LENGTH	.2933	.2317	.3647	.2381	.2502	.3308	.4093	.2664	.1829	.1877	.3237	.2921	.3803	.5040	.5960
76	INSTEP LENGTH	.2687	.2103	.3374	.2195	.2427	.3170	.3824	.2541	.1516	.1725	.3056	.2791	.3549	.4586	.5535
77	FOOT BREADTH	.3477	.2905	.4080	.3488	.3610	.4349	.4840	.2829	.2933	.3362	.3721	.3884	.4744	.2687	.3937
78	HEEL BREADTH	.4555	.4172	.4708	.4412	.3715	.4403	.4458	.3115	.3933	.3950	.3707	.4408	.4454	.1693	.3382
79	BI-MALLEOLAR BR"TH	.3340	.2502	.3815	.3017	.3103	.4200	.5048	.2769	.2699	.2699	.3714	.3946	.4899	.3138	.4423
80	MED"LL MALLEOLUS HT	.2046	.1800	.3126	.2361	.2354	.2900	.3725	.2365	.1849	.1813	.2589	.2358	.3643	.2641	.3609
81	LAT"LL MALLEOLUS HT	.1483	.1526	.2375	.1717	.1771	.1881	.2535	.1868	.1389	.1249	.1812	.1354	.2455	.2643	.3259
82	BALL OF FOOT CIRC.	.4220	.3573	.4592	.4127	.3645	.4855	.5258	.2667	.4052	.4096	.4290	.4643	.5165	.2879	.4227
83	HAND LENGTH	.2450	.1871	.2759	.1674	.1807	.2321	.2969	.2416	.1516	.1610	.3191	.2739	.3745	.5138	.5884
84	PALM LENGTH	.2151	.1710	.2554	.1647	.1926	.2160	.2709	.2236	.1799	.1464	.2717	.2266	.3298	.4377	.5142
85	HAND BREADTH/THUMB	.3174	.2314	.3102	.2595	.2834	.3238	.3725	.3001	.2718	.3110	.3841	.4098	.5025	.2699	.4090
86	HAND B/METACARPAL	.3466	.2574	.3299	.2783	.2909	.3492	.4025	.3153	.3019	.3433	.4336	.4774	.5404	.2745	.4179
87	THICKNESS-META III	.3165	.2696	.3173	.2800	.2883	.3038	.3164	.2708	.2969	.3421	.3733	.4124	.4615	.1704	.3049
88	FINGER DIAMETER	.3602	.3249	.3787	.3236	.3306	.3577	.3592	.3393	.3507	.3998	.4384	.4775	.5717	.1781	.3226
89	GRIP DIAM"R INSIDE	.0850	.0276	.0878	.0116	.0015	.0578	.1174	.0675	.0120	.0113	.1127	.0759	.1336	.3905	.4018
90	GRIP DIAM. OUTSIDE	.2069	.1318	.2101	.1319	.1306	.1996	.2543	.1828	.1233	.2712	.2353	.3125	.3910	.4539	
91	FIST CIRCUMFERENCE	.4187	.3317	.4005	.3538	.3413	.4068	.4242	.3634	.3895	.4342	.4993	.5383	.5799	.2587	.4265
92	FIST CIRCUMFERENCE	.2285	.1790	.2113	.1762	.1536	.1357	.2006	.1681	.1578	.1703	.1893	.2014	.2088	.1383	.2172
93	HEAD LENGTH															

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
94 HEAD BREADTH	.2961	.2771	.2846	.2726	.2218	.2549	.2224	.1925	.2646	.2687	.1930	.2648	.1931	.0169	.1609
95 MIN FRONTAL DIAMETER	.3429	.3180	.3314	.3074	.2336	.2921	.2516	.1982	.3091	.3025	.2475	.3458	.2399	.0631	.1915
96 MAX FRONTAL DIAMETER	.3776	.3288	.3463	.3189	.2441	.3028	.2603	.2100	.3356	.3215	.2633	.3684	.2481	.0644	.2065
97 BIZYGOMATIC DIAMETER	.4625	.4167	.4368	.3949	.3338	.3791	.3347	.3023	.4103	.4039	.3334	.4233	.3529	.0932	.2856
98 BIZYGOMATIC DIAMETER	.3399	.2997	.3142	.2757	.2428	.2704	.2737	.2244	.2915	.2976	.2699	.3255	.2886	.0989	.2273
99 BITRAGION DIAMETER	.3527	.3235	.3517	.3135	.2706	.3117	.2858	.2438	.3045	.3023	.2590	.3316	.2934	.1022	.2678
100 INTEROCULAR DIAMETER	.1144	.0942	.1238	.1152	.1193	.1314	.1422	.0898	.0980	.1120	.0981	.1296	.1416	.0297	.0860
101 BI OCULAR DIAMETER	.1901	.1681	.2297	.1884	.2116	.2003	.2232	.1400	.1573	.1900	.1774	.1630	.2186	.0953	.1931
102 INTERPUPILLARY DIS	.1685	.1472	.1791	.1502	.1532	.1603	.1852	.1253	.1221	.1400	.1293	.1464	.1689	.1026	.1774
103 NOSE LENGTH	.1103	.0367	.0655	.0330	-.0004	.0431	.0559	.0840	.0362	.0241	.0850	.0760	.0831	.1256	.1853
104 NOSE BREADTH	.1816	.1416	.1772	.1655	.1833	.1813	.1927	.1694	.1786	.2039	.1893	.2162	.2344	.0249	.1042
105 NASAL ROOT BREADTH	.0763	.1186	.1467	.1245	.1884	.1543	.2011	.0912	.1008	.1307	.1269	.1103	.1833	.0096	.0493
106 NOSE PROTRUSION	.0935	.0645	.0913	.0497	.0233	.0711	.0939	.0490	.0428	.0097	.0775	.0987	.0890	.1478	.1924
107 PHILTRUM LENGTH	.0820	.0582	.0735	.0884	.1055	.0758	.0938	.0845	.0594	.0753	.0785	.0710	.1041	.0357	.0625
108 MENTON-SUBNASALE	.1127	.0870	.1175	.0911	.1165	.1147	.1370	.0995	.0744	.0866	.1066	.1091	.1299	.0979	.1283
110 LIP-LIP DISTANCE	-.0791	-.1150	-.0521	-.0266	.0104	.0103	.0246	-.0459	-.0959	-.0646	-.0136	-.0404	-.0140	.0719	.0411
111 LIP LENGTH	.2586	.2101	.2025	.1718	.1516	.1461	.1528	.1812	.2053	.2263	.1810	.2159	.2097	.0502	.1477
112 EAR LENGTH	.3002	.2781	.2958	.2275	.1934	.2096	.2050	.2124	.2457	.2350	.2202	.2249	.2284	.0940	.2355
113 EAR BREADTH	.1540	.1173	.1382	.1054	.1050	.1130	.1026	.1151	.1136	.1078	.0970	.1039	.1203	.0735	.1617
114 EAR LTH ABOVE TRAG	.1801	.1495	.1505	.1355	.0960	.1030	.0913	.1357	.1498	.1356	.1236	.1066	.1189	.0271	.1246
115 EAR PROTRUSION	.0097	.0229	.0331	.0245	.0363	.0401	.0346	.0221	.0161	.0164	.0582	.0298	.0550	.0328	.0811
116 HEAD HEIGHT	.1798	.1712	.1994	.1722	.1520	.1496	.1318	.1398	.1518	.1579	.1278	.1282	.1088	.0737	.1276
117 MENTON PROJECTION	.1563	.1493	.1480	.1386	.1120	.1365	.1192	.1004	.1487	.1616	.1561	.1907	.1188	.0354	.1047
118 EXT'L CANTHUS-WALL	.1766	.1558	.1660	.1451	.1173	.1276	.1276	.1333	.1291	.1341	.1293	.1382	.1224	.0785	.1568
119 NASAL ROOT TO WALL	.2027	.1694	.2169	.1876	.1633	.1769	.1962	.1575	.1526	.1592	.1584	.1586	.1861	.1269	.1926
120 TRAGION TO WALL	.1433	.1594	.1325	.1116	.0582	.0651	.0486	.1044	.1149	.1119	.0969	.0884	.0579	.0101	.0716
121 LARYNX TO WALL	.3129	.3158	.2926	.2312	.1985	.1894	.1727	.2330	.2422	.2387	.2163	.2161	.2152	.1302	.2093
122 HEAD CIRCUMFERENCE	.4177	.3797	.4178	.3769	.3250	.3619	.3327	.2873	.3603	.3652	.3046	.3605	.3339	.1286	.3028
123 SAGITTAL ARC	.1313	.0844	.1366	.1137	.0844	.1329	.1456	.0867	.0865	.0805	.1168	.1530	.1100	.1255	.1759
124 BITRAG-CORONAL ARC	.1894	.1790	.2332	.2041	.2042	.1965	.2120	.1651	.1660	.1762	.1602	.1651	.1768	.1034	.1857
125 MINIMUM FRONTAL ARC	.1323	.1229	.1610	.1510	.1676	.1612	.1770	.0885	.1194	.1378	.1153	.1432	.1343	.0593	.0979
126 BIT-MIN-FRONTAL ARC	.3563	.3084	.3517	.3118	.2621	.2939	.2857	.2362	.3022	.3110	.2753	.3205	.3035	.1311	.2732
128 BITRAG-MENTON ARC	.5214	.4446	.4854	.4282	.3689	.4170	.3788	.3673	.4549	.4599	.4079	.4729	.4344	.1609	.3698
129 BIT-SUBMANDIBULAR	.5407	.5245	.5128	.4551	.3773	.4051	.3544	.3776	.4849	.4724	.3945	.4771	.4161	.0903	.3009
130 BIT-SUBNASALE ARC	.4843	.4327	.4756	.4301	.3786	.4145	.3840	.4386	.4502	.3715	.4376	.4376	.4151	.1124	.3058
131 POSTERIOR ARC	.4711	.4718	.4898	.4322	.3890	.4121	.3526	.3551	.4486	.4546	.3536	.4077	.3972	.0580	.2845
132 BITRAG-INION ARC	.1750	.1935	.2281	.1891	.2313	.2033	.1993	.1837	.1691	.1993	.1855	.1434	.2264	.0684	.1649
133 AGE	.2785	.3634	.1523	.0920	.0077	.0305	-.0088	.1866	.2485	.2164	.1116	.1848	.0974	-.1084	.0024

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
1 WEIGHT	-2151	-0356	1566	3769	5616	3555	6274	8124	4950	5614	8877	8210	4549	4195	4781
2 HEIGHT (STATURE)	2669	2203	3760	6070	4321	3170	2803	5642	2066	3175	3101	4947	7103	6654	4248
3 NASAL ROOT HEIGHT	2861	1938	3635	5835	4295	3216	2714	5620	2077	3150	3112	4951	7009	6546	4168
4 EYE HEIGHT	2832	1960	3698	5853	4305	3230	2743	5646	2079	3158	3140	4971	7029	6568	4172
5 TRAGION HEIGHT	2713	2195	3789	6013	4297	3172	2752	5640	2062	3164	3072	4903	7043	6603	4156
6 CERVICALE HEIGHT	2207	1097	3613	6449	4257	3187	2962	5760	2142	3262	3387	5131	7064	6582	4151
7 SHOULDER HEIGHT	2035	1495	2868	5808	4296	3236	2999	5980	2265	3207	3393	5192	6870	6458	4145
8 SUPRASTERNAL HT	1716	1749	3484	5839	4761	3224	3050	5886	2176	3313	3591	5335	7019	6547	4230
9 NIPPLE HEIGHT	1898	1697	3294	5396	4349	2956	2476	5287	1795	2856	2910	4784	6740	6308	3859
11 ELBOW HEIGHT	1791	1509	2437	5632	4536	3466	3344	6355	2602	3248	3681	5228	6479	6035	4040
12 WAIST HEIGHT	2046	1374	3242	3792	1973	4041	3549	4409	1449	2539	2627	4310	6516	5960	3599
14 WRIST HEIGHT	1711	1478	1854	5433	4458	3366	3396	6267	2639	3016	3365	4734	5698	5319	3643
15 CROTCH HEIGHT	2036	1273	3338	4076	2430	1744	0492	2985	0852	1784	1631	3907	6367	5956	3034
16 GLUTEAL FURROW HT	1632	1198	3100	4424	3069	1324	1162	3489	1236	2332	2308	4261	6426	5973	3170
17 KNUCKLE HEIGHT	1584	1243	1732	5298	4424	3306	3350	6169	2700	2946	3308	4579	5243	4961	3427
18 KNEECAP HEIGHT	1293	1132	2916	4410	3282	1862	1853	3961	1510	2743	2680	4571	6457	5930	3709
19 SITTING HEIGHT	2904	2635	3109	5745	4446	3953	3696	6073	2376	2985	2730	3770	5107	4821	3650
20 EYE HT/SITTING	2973	2102	2798	5131	4355	3830	3439	5837	2392	2888	2676	3606	4643	4340	3259
21 SHOULDER HT/SITTING	1566	1235	1241	4981	4072	3806	3761	6217	2485	2734	3072	3820	4233	4030	3232
22 WAIST HT/SITTING	1381	0456	1081	-0630	-1496	5964	5173	2599	0649	0724	0972	0858	1540	1207	1240
23 ELBOW REST HT/SIT	0650	0528	-0638	2281	2590	1302	3046	4371	1869	1212	1813	1705	0739	0693	1261
24 THIGH CLEARANCE HT	-2267	-0678	0027	1758	3743	2268	4909	5785	3502	4031	6901	6135	2052	1859	2891
25 KNEE HT/SITTING	1071	1057	3322	4805	3744	2183	2318	4800	1843	3175	3825	5765	7128	6606	4363
26 POPLITEAL HT/SIT	1627	1195	3168	3991	2516	1454	0749	3126	0937	2003	1846	3693	6325	5894	3237
27 BUTTOCK-KNEE LENGTH	0673	0920	2836	4475	3848	2563	3019	5236	2594	3516	4587	5901	6262	5892	3863
28 BUTTOCK-LEG LENGTH	1168	1105	2864	4750	3275	1773	2239	4454	1867	2873	3302	4956	6376	6137	3670
29 SHOULDER-ELBOW LTH	1805	1088	2807	4264	2563	1848	1608	3530	0953	2417	2300	3789	5737	5423	3510
30 FOREARM-HAND LENGTH	1604	1406	3304	4497	3158	2141	1847	4072	1222	2956	2769	4518	7353	6704	4351
31 SPAN	1815	1530	4146	4618	3217	2228	1850	4137	1420	3271	2824	4523	7159	6483	4261
32 ARM REACH FR. WALL	1195	0958	2901	3925	2670	1657	1860	3741	1643	3171	2853	4084	5811	5448	3555
33 MAXIMUM REACH/WALL	1580	0950	2531	3900	3037	2436	1917	3845	1634	2833	2723	3367	5805	4822	3422
34 FUNCTIONAL REACH	1065	0727	2653	3789	2545	1623	1873	3585	1555	3069	2820	3930	5546	5087	3463
35 ELBOW-ELBOW BIRTH	-2736	-1018	0129	1870	4069	2139	4974	6202	5068	4900	7474	6111	2133	1920	3119
36 HIP BREADTH/SITTING	-2219	-0703	0737	2630	4332	3789	6274	6986	3859	4450	5560	7108	3366	3064	3804
37 KNEE-KNEE BIRTH/SIT	-1551	-0164	1014	2864	4074	2880	5226	6147	3375	3955	6808	7549	3909	3657	4524
38 BIACROMIAL DIAMETER	0354	0040	5177	2842	2497	2009	2216	3900	2962	4576	3734	4083	3996	3535	3181
39 SHOULDER BREADTH	-1753	-0316	2577	2721	4105	2513	4828	6351	5025	5976	7042	6079	3289	2980	3843
40 CHEST BREADTH	-2221	-0412	1408	2118	4104	2185	4394	5946	4930	5473	6843	5956	2793	2503	3418
41 WAIST BREADTH	-2741	-0944	0369	2405	4421	1740	4842	5832	4296	4734	7638	6190	2775	2527	3215
42 HIP BREADTH	-1067	-0358	1613	3400	4167	3555	5212	6674	3892	4411	7677	6748	4664	4321	4068
43 CHEST DEPTH	-3163	-1070	-0170	2109	4208	1735	4390	5621	3943	4091	7024	5880	2306	2026	2738
44 WAIST DEPTH	-2980	-1117	-0265	1891	4575	1822	4789	5842	3853	3771	7556	5643	1835	1614	2448
45 BUTTOCK DEPTH	-3011	-1056	-0251	1815	4424	3185	6273	6652	3993	4175	8008	6350	1936	1660	2928
46 NECK CIRCUMFERENCE	-1959	-0726	0678	2440	3536	2124	4414	5463	4192	5001	6208	5420	2799	2561	3660
47 SHOULDER CIRCUMFERENCE	-2576	-0735	1791	2352	4368	2205	5269	6463	5174	6073	7566	6462	3038	2829	3802

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
48 CHEST CIRCUMFERENCE	-2663	-0659	1.052	.2438	.4505	.2425	.4706	.6481	.5180	.5515	.7646	.6545	.2933	.2687	.3477
49 WAIST CIRCUMFERENCE	-3093	-1324	0.178	.2198	.4764	.1838	.4965	.6381	.4395	.4581	.8277	.6416	.2317	.2103	.2905
50 BUTTOCK CIRCUMFERENCE	-2330	-0674	1.020	.2980	.4862	.3548	.6561	.7652	.4578	.5095	.9079	.7653	.3647	.3374	.4080
51 THIGH CIRCUMFERENCE	-2761	-0852	0.376	.2017	.4297	.3115	.6216	.6828	.4195	.4583	.8393	.7240	.2381	.2195	.3488
52 LOWER THIGH CIRC.	-2185	-0374	0.623	.1954	.3811	.1883	.5042	.5432	.3309	.3947	.6571	.6571	.2502	.2427	.3610
53 CALF CIRCUMFERENCE	-2041	-0298	1.164	.2137	.3933	.2302	.4906	.5861	.3307	.4148	.6867	.7147	.3308	.3170	.4349
54 ANKLE CIRCUMFERENCE	-1405	-0085	0.975	.2446	.3492	.2251	.4449	.5262	.2875	.3726	.5880	.6616	.4093	.3824	.4840
55 SHOULDER CIRCUMFERENCE	-1285	-0105	0.463	.2041	.3344	.1496	.3991	.4848	.3421	.4125	.5106	.4713	.2664	.2541	.2829
56 AXILLARY ARM CIRC.	-2885	-1020	0.332	.1625	.4053	.2592	.5054	.6111	.4322	.4682	.7580	.6074	.1829	.1616	.2933
57 BICEPS CIRC-FLEXED	-2863	-0822	0.250	.1560	.4046	.2294	.4980	.6001	.4484	.4859	.7366	.6126	.1877	.1725	.3362
58 ELBOW CIRC-FLEXED	-1299	-0220	1.281	.2199	.3286	.2049	.3797	.5169	.3567	.4263	.5454	.5439	.3237	.3056	.3721
59 LOWER ARM C-FLEXED	-2060	-0459	1.103	.2059	.3851	.2321	.4295	.5845	.4393	.4773	.6726	.6203	.2921	.2791	.3884
60 WRIST CIRCUMFERENCE	-1032	-0219	1.417	.2831	.3565	.2191	.4188	.5347	.3562	.4245	.5456	.5725	.3803	.3549	.4744
61 SLEEVE INSEAM	.1951	.1254	0.320	.3528	.2057	.1770	.0180	.1950	.0068	.1349	.0856	.2354	.5040	.4586	.2687
62 SLEEVE LENGTH	.1021	.1117	.4044	.4331	.3143	.2383	.2190	.4421	.2245	.3910	.3532	.4774	.5960	.5535	.3937
63 ANTERIOR NECK LGTH	.0554	.1415	1.759	-1037	.0279	-1228	-0580	-1171	-0485	-2636	-1285	-1451	.1327	.0127	
64 POSTERIOR NECK LGTH	.0554	.1079	.2856	.4702	.0876	.0329	-0275	.0156	-0150	.0125	-0973	.0068	.1241	.1387	.1039
65 SHOULDER LENGTH	.1415	.1079	.2856	.4702	.0876	.0329	-0275	.0156	-0150	.0125	-0973	.0068	.1241	.1387	.1039
66 WAIST BACK	.1759	.0187	.2856	.4702	.0876	.0329	-0275	.0156	-0150	.0125	-0973	.0068	.1241	.1387	.1039
67 WAIST FRONT	.1037	.0643	0.664	.4702	.0876	.0329	-0275	.0156	-0150	.0125	-0973	.0068	.1241	.1387	.1039
68 GLUTEAL ARC	.0279	.0329	0.876	.0331	.1547	.1041	.1547	.5636	.2499	.3024	.4581	.4641	.3173	.2612	.2738
69 GROUCH LENGTH	-1228	-0275	0.623	.0726	.1547	.1041	.1547	.5636	.2499	.3024	.4581	.4641	.3173	.2612	.2738
70 VERTICAL TRUNK C.	-0580	.0156	1.567	.4913	.5636	.4540	.6875	.6213	.4540	.1785	.3653	.3211	.2424	.1962	.2455
71 INTERSCYE	-1171	-0150	0.716	.2384	.2499	.1785	.3226	.4437	.4437	.6296	.4903	.7403	.2771	.2672	.3131
72 INTERSCYE-MAXIMUM	-0485	.0125	1.767	.2637	.3024	.1950	.3504	.4790	.6296	.4903	.7403	.2771	.2672	.3131	
73 BUTTOCK CIRC/SIT.	-2636	-0973	0.769	.2416	.4581	.3653	.6327	.7220	.4152	.4903	.7403	.2771	.2672	.3131	
74 KNEE CIRC/SITTING	-1285	.0068	1.671	.3359	.4641	.3211	.5188	.6775	.3562	.4847	.7403	.2771	.2672	.3131	
75 FOOT LENGTH	.1451	.1241	1.3054	.4427	.3173	.2424	.2309	.4321	.1634	.2771	.3107	.5015	.5015	.9067	.5094
76 INSTEP LENGTH	.1327	.1387	1.163	.4269	.2612	.1962	.2079	.3970	.1633	.2672	.2870	.4680	.9067	.4527	
77 FOOT BREADTH	.0127	.1039	1.800	.2822	.2738	.2455	.3026	.4255	.2395	.3131	.3644	.4917	.5094	.4527	
78 HEEL BREADTH	-0784	.0228	1.316	.2542	.2867	.2146	.3128	.4334	.2563	.2804	.4342	.4897	.4370	.3926	.5106
79 81-MALLEOLAR BR"TH	.0843	.0912	1.897	.3346	.3213	.2837	.2557	.4295	.2163	.3069	.3298	.5129	.5939	.5168	.5004
80 MED"LL MALLEOLUS HT	.0871	.0915	1.715	.3096	.2646	.2056	.2231	.3536	.1347	.2120	.2637	.3681	.3678	.2961	.3554
81 LAT"LL MALLEOLUS HT	.0701	.0805	0.982	.2616	.2315	.1525	.1898	.2833	.1046	.1669	.2077	.2867	.2782	.2036	.2625
82 BALL OF FOOT CIRC.	-.0294	.0622	1.906	.3131	.3201	.2895	.3058	.4660	.2688	.3331	.4274	.5482	.5025	.4520	.7467
83 HAND LENGTH	.1359	.1253	.2923	.3972	.2838	.1945	.1549	.3672	.1312	.2712	.2466	.4088	.7347	.6450	.4518
84 PALM LENGTH	.1097	.0990	.2458	.3614	.2535	.1645	.1545	.3243	.1133	.2382	.2278	.3625	.6366	.5681	.3866
85 HAND BREADTH/THUMB	.0478	.0992	1.751	.2919	.2530	.1740	.2199	.3564	.2224	.3035	.2789	.3921	.4771	.4353	.4954
86 HAND B/METACARPAL	.0365	.0855	.2007	.2753	.2480	.2150	.2226	.3861	.2382	.3150	.2994	.4407	.4784	.4491	.5579
87 THICKNESS-METAL III	-.0348	.0354	1.179	.2004	.2138	.1575	.2399	.3215	.2250	.2735	.2977	.3373	.3004	.2803	.3549
89 FINGER DIAMETER	-.0301	.0532	1.219	.2498	.2636	.2135	.2829	.3941	.2555	.2908	.3495	.3919	.3760	.3389	.4775
90 GRIP DIAM"R INSIDE	.1671	.1323	.2461	.2475	.1363	.1164	.0283	.1764	.0265	.1049	.0636	.2169	.5330	.4589	.2721
91 GRIP DIAM. OUTSIDE	.1371	.1421	.2773	.3078	.2075	.1600	.1191	.2901	.1206	.1994	.1757	.3255	.5756	.5153	.4125
92 FIST CIRCUMFERENCE	-.0152	.0875	.2017	.2679	.2953	.2056	.2737	.4165	.2665	.3337	.3652	.4603	.4648	.4107	.5153
93 HEAD LENGTH	-.0351	.0263	1.014	.1919	.1650	.0919	.1301	.2268	.1698	.1913	.1952	.2325	.2287	.1978	.2284

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
94 HEAD BREADTH	-1060	-0792	0557	0758	1458	0997	1896	2277	1475	1964	2874	2706	1558	1307	1685
95 MIN FRONTAL DIAMETER	-1267	-1497	0712	1208	2083	1224	1710	2815	1948	1915	3288	3110	1928	1783	1955
96 MAX FRONTAL DIAMETER	-1250	-1619	0947	1136	2073	1490	1840	3022	2027	1928	3424	3157	2016	1854	2011
97 BIZYGOMATIC DIAMETER	-1132	-1117	1080	1720	2543	1796	2841	3897	2736	3144	4304	4103	2601	2330	2962
98 BIGNONIAL DIAMETER	-0358	-0700	0868	1443	1972	1524	2041	3068	2191	2278	3002	3052	2256	2091	2422
99 BITRAGON DIAMETER	-0657	-1068	1081	1789	2041	1496	2480	3332	2157	2596	3521	3575	2692	2448	2565
100 INTEROCULAR DIAMETER	-0091	-0397	0273	0575	0830	0484	0962	1033	0734	1010	1134	1410	1133	1014	1433
101 BIOCULAR DIAMETER	-0176	-0182	0694	1563	1441	0851	1824	1941	1343	2172	2096	2214	1970	1739	2355
102 INTERPUPILLARY DIS	0043	-0364	0753	1369	1342	0903	1389	1846	1027	1694	1777	2031	1874	1712	1953
103 NOSE LENGTH	0794	0660	1536	1354	0600	0867	0289	1165	0722	0972	0556	1265	2190	2008	1351
104 NOSE BREADTH	-0515	0025	0147	0762	1302	0658	1377	1683	1378	1421	1619	1781	1552	1327	1964
105 NASAL ROOT BREADTH	-0509	-0397	0168	0734	1084	0081	1203	1073	0798	1491	1297	1407	0784	0735	1456
106 NOSE PROTRUSION	0590	0080	1467	1544	0552	1128	0373	1474	0626	0894	1053	1650	2080	1864	1040
107 PHILTRUM LENGTH	0007	0238	0465	0693	0691	0561	0752	0869	0315	0355	0711	0986	0849	0840	1310
108 MENTON-SUBNASALE	-0206	0215	0789	1364	1038	0661	0674	1307	0870	0945	1161	1560	1599	1510	1797
110 LIP-LIP DISTANCE	-0014	0838	0742	0167	-0282	-0296	-0429	-0436	-0685	-0355	-0586	0347	0859	0796	0636
111 LIP LENGTH	-0169	-0117	0666	1077	1347	1003	1356	2050	1765	1688	1940	1802	1468	1314	1846
112 EAR LENGTH	-0133	0285	0858	2329	2216	1418	2035	3220	1956	2094	2828	2732	2502	2313	2185
113 EAR BREADTH	-0094	0179	0904	1276	1171	0586	0753	1456	0915	1417	1381	1625	1784	1510	1376
114 EAR LTH ABOVE TRAG	-0018	0251	0703	1220	1064	0767	1237	1765	1299	1033	1432	1367	1328	1239	1227
115 EAR PROTRUSION	0606	0162	0368	0843	0229	0331	0612	0729	0160	0014	0220	0528	0590	0481	0797
116 HEAD HEIGHT	-0053	0388	0326	1259	1424	0972	1459	1935	1042	1012	1838	1851	1381	1209	1214
117 MENTON PROJECTION	0112	-0466	0779	1013	0681	0493	0685	1587	1135	1332	1477	1452	0924	0896	1018
118 EXT'L CANTHUS-WALL	-0445	0238	0380	1389	1244	0372	0897	1789	1142	1249	1448	1744	1659	1360	1398
119 NASAL ROOT TO WALL	-0218	0579	0804	1802	1651	1100	1518	2345	1438	1674	1910	2380	2145	1843	2058
120 TRAGON TO WALL	0274	-0306	-0087	1131	0471	0140	0515	1258	1029	0670	1094	1212	0729	0591	0441
121 LARYNX TO WALL	0675	-1328	0651	3002	1108	0872	1773	2763	1937	1591	2800	2700	2465	2244	1752
122 HEAD CIRCUMFERENCE	-1028	-0221	1057	2093	2585	1737	2857	3754	2552	3593	4176	4395	2844	2469	3193
123 SACITTAL ARC	-0784	0673	1007	1193	1196	0879	0704	1582	1122	1833	1439	2034	1785	1498	1691
124 BITRAG-CORONAL ARC	-0554	0157	0796	1691	1706	1078	1714	2263	1232	1284	2086	2134	2186	1852	2067
125 MINIMUM FRONTAL ARC	-1688	-0464	0428	1038	1219	0592	1191	1281	1043	2045	1774	1719	1096	1156	1544
126 BIT-MIN-FRONTAL ARC	-0504	-0251	1151	1938	2336	1628	2450	3283	2181	2795	3430	3611	2731	2317	2878
128 BITRAG-MENTON ARC	-1509	0112	1806	2516	3147	2111	3182	4617	3166	4090	4727	4690	3543	3279	3640
129 BIT-SUBMANDIBULAR ARC	-1527	0739	1198	2361	3267	2012	3538	4772	3591	4588	5222	5061	2807	2686	2873
130 BIT-SUBNASALE ARC	-1392	-0229	1251	2058	2976	1885	3351	4258	2966	3634	4537	4599	3035	2771	3487
131 POSTERIOR ARC	-1045	-0613	0886	2565	2958	1760	3781	4600	3054	3653	4753	4254	2433	2233	2923
132 BITRAG-INION ARC	0252	-0567	0543	1694	1544	0551	2139	2075	1354	1971	2011	2158	1540	1373	2000
133 AGE	-0401	-0994	-0637	0282	1159	0943	0886	1634	1510	0928	1918	0499	-0375	-0348	-0493

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
1 HEIGHT	.5332	.4633	.3532	.2766	.5452	.3816	.3387	.4027	.4333	.3852	.4545	.1670	.3043	.5030	.2756
2 HEIGHT (STATURE)	.3162	.4981	.4615	.4319	.4159	.6578	.5680	.4033	.4114	.2677	.2956	.4833	.5154	.3869	.2593
3 NASAL ROOT HEIGHT	.3100	.4971	.4550	.4222	.4092	.6535	.5600	.3916	.4092	.2610	.2893	.4856	.5101	.3838	.2344
4 EYE HEIGHT	.3120	.4980	.4554	.4220	.4111	.6548	.5616	.3934	.4103	.2637	.2897	.4868	.5120	.3853	.2380
5 TRAGION HEIGHT	.3102	.4981	.4575	.4268	.4101	.6552	.5646	.3957	.4082	.2686	.2931	.4811	.5127	.3848	.2370
6 CERVICAL HEIGHT	.3153	.4891	.4540	.4364	.4142	.6549	.5700	.3975	.4036	.2701	.2906	.4680	.4984	.3774	.2370
7 SHOULDER HEIGHT	.3205	.4783	.4536	.4340	.4116	.6413	.5546	.3944	.4057	.2756	.2930	.4570	.4882	.3743	.2356
8 SUPRASTERNAL HT	.3283	.4955	.4549	.4362	.4282	.6529	.5653	.4029	.4111	.2765	.3034	.4672	.5033	.3965	.2376
9 NIPPLE HEIGHT	.2806	.4542	.4346	.4203	.3841	.6311	.5421	.3710	.3770	.2530	.2517	.4650	.4841	.3538	.2189
11 ELBOW HEIGHT	.3090	.4711	.4531	.4297	.4087	.5973	.5186	.3778	.3888	.2721	.2802	.4115	.4488	.3610	.2321
12 WAIST HEIGHT	.2557	.4312	.4062	.4209	.3508	.6105	.5296	.3469	.3505	.2327	.2220	.4508	.4591	.3201	.1920
14 WRIST HEIGHT	.2529	.4212	.4401	.4334	.3705	.4977	.4407	.3185	.3178	.2311	.2441	.3309	.3660	.3009	.2169
15 CROTCH HEIGHT	.2403	.4077	.3534	.3540	.2998	.5931	.4992	.2899	.3263	.1834	.1692	.4846	.4660	.2835	.1862
16 GUTEAL FURROW HT	.2388	.3763	.3745	.4077	.3167	.6154	.5306	.3218	.3189	.2026	.1890	.4698	.4564	.2944	.1874
17 KNUCKLE HEIGHT	.2343	.3976	.4055	.4000	.3551	.4408	.3886	.2935	.2954	.2268	.2191	.2895	.3259	.2794	.2123
18 KNEECAP HEIGHT	.2640	.4065	.4217	.4556	.3738	.6283	.5514	.3673	.3550	.2459	.2449	.4393	.4585	.3476	.2081
19 SITTING HEIGHT	.2784	.4458	.3889	.2847	.3563	.4534	.3879	.3377	.3662	.2396	.3161	.3179	.3840	.3378	.2365
20 EYE HT/SITTING	.2599	.4277	.3635	.2502	.3231	.4254	.3618	.3027	.3376	.2156	.2855	.3036	.3629	.3214	.1917
21 SHOULDER HT/SITTING	.2681	.3931	.3549	.2514	.3210	.3895	.3350	.3034	.3422	.2371	.2974	.2512	.3146	.3002	.1902
22 WAIST HT/SITTING	.0638	.2014	.1514	.0964	.1007	.1285	.0966	.0977	.1407	.0904	.1162	.0982	.1137	.0978	.0436
24 THIGH CLEARANCE HT	.3381	.2456	.2074	.1651	.1350	.1367	.1301	.2123	.2330	.2417	.2812	.0046	.0985	.2920	.1576
25 KNEE HT/SITTING	.3601	.4932	.4733	.4695	.4527	.6677	.5762	.4048	.4151	.2805	.2988	.4863	.5153	.4088	.2444
26 POPLITEAL HT/SIT	.2401	.3968	.3818	.3905	.3188	.5933	.4895	.3019	.3273	.1895	.1848	.4811	.4679	.3000	.1992
27 BUTTOCK-KNEE LENGTH	.3413	.4281	.3547	.3655	.4122	.5550	.4980	.3474	.3604	.2584	.2595	.3873	.4224	.3562	.2124
28 BUTTOCK-LEG LENGTH	.2978	.3802	.3718	.3948	.3705	.5763	.5100	.3400	.3319	.2335	.2324	.4134	.4385	.3277	.2054
29 SHOULDER-ELBOW LTH	.2857	.3870	.3482	.3311	.3322	.5720	.4982	.3423	.3532	.2395	.2768	.4100	.4327	.3228	.1824
30 FOREARM-HAND LENGTH	.3307	.4759	.4195	.3845	.4121	.8043	.6876	.4810	.4936	.3260	.3710	.5622	.5870	.4581	.2300
31 SPAN	.3420	.4862	.3983	.3661	.4061	.7442	.6358	.4463	.4570	.2969	.3310	.5481	.5732	.4348	.2226
32 ARM REACH FR. WALL	.2867	.3892	.3229	.3012	.3427	.6122	.5281	.3564	.3719	.2688	.2969	.4294	.4641	.3753	.1847
33 MAXIMUM REACH/WALL	.3162	.4677	.3310	.3339	.3449	.5924	.5070	.3376	.3614	.2431	.2912	.4439	.4721	.3643	.2084
34 FUNCTIONAL REACH	.2663	.3755	.3176	.2986	.3294	.5601	.4888	.3346	.3431	.2501	.2676	.3950	.4266	.3435	.1758
35 ELBOW-ELBOW BRDTH	.4057	.2987	.2054	.1465	.3782	.1721	.1626	.2707	.3090	.3188	.3724	-0078	.1083	.3759	.2042
36 HIP BREADTH/SITTING	.4266	.3483	.3052	.2800	.4442	.2872	.2426	.2905	.3014	.2849	.3369	.0784	.1841	.3601	.1839
37 KNEE-KNEE BRTH/SIT	.4390	.5097	.4066	.2766	.5215	.2945	.2764	.3583	.3855	.3390	.4098	.0963	.2172	.4202	.2042
38 BIACROMIAL DIAM"R	.2812	.3796	.2562	.1866	.3269	.3730	.3209	.2831	.3333	.2405	.2507	.2507	.3107	.3469	.1891
39 SHOULDER BREADTH	.4187	.3675	.2855	.2198	.4358	.2502	.2635	.3433	.3782	.3434	.3985	.1123	.2424	.4413	.2307
40 CHEST BREADTH	.4107	.3310	.2223	.1751	.3862	.2444	.2198	.3017	.3353	.2963	.3437	.0874	.1951	.3915	.2370
41 WAIST BREADTH	.4023	.2582	.2085	.2025	.3051	.2345	.2331	.2801	.2767	.2848	.3452	.0394	.1507	.3452	.1851
42 HIP BREADTH	.4383	.4534	.3627	.2626	.4508	.3789	.3378	.3423	.3649	.3050	.3663	.1893	.2853	.3947	.1889
43 CHEST DEPTH	.3790	.2522	.1829	.1420	.3337	.1872	.1775	.2504	.2556	.2504	.3026	.0304	.1290	.3403	.1372
44 WAIST DEPTH	.3769	.2134	.1592	.1348	.3248	.1422	.1377	.2031	.2096	.2549	.3062	-0047	.1009	.2893	.1576
45 BUTTOCK DEPTH	.3672	.2224	.1959	.1836	.3752	.1367	.1456	.2141	.2153	.2513	.3060	-0237	.0901	.2996	.1692
46 NECK CIRCUMFERENCE	.3748	.3014	.2118	.1570	.4238	.2541	.2358	.3488	.3690	.3334	.3831	.0576	.1864	.4097	.2439
47 SHOULDER CIRCUM"CE	.4148	.3248	.2507	.1967	.4165	.2719	.2526	.3522	.3607	.3468	.3928	.0771	.2015	.4348	.2212

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
48 CHEST CIRCUMF"ENCE	.4555	.3340	.2046	.1483	.4220	.2450	.2151	.3174	.3466	.3165	.3602	.0850	.2069	.4187	.2285
49 WAIST CIRCUMF"ENCE	.4172	.2502	.1800	.1526	.3573	.1871	.1710	.2314	.2574	.2696	.3249	.0276	.1318	.3317	.1790
50 BUTTOCK CIRCUMF"CE	.4708	.3816	.3126	.2375	.4592	.2759	.2554	.3102	.3299	.3173	.3787	.0878	.2101	.4005	.2113
51 THIGH CIRCUMF"ENCE	.4412	.3017	.2361	.1717	.4127	.1674	.1647	.2595	.2783	.2800	.3236	.0116	.1319	.3538	.1762
52 LOWER THIGH CIRC.	.3715	.3103	.2354	.1771	.3645	.1807	.1926	.2834	.2909	.2883	.3306	.0015	.1306	.3413	.1536
53 CALF CIRCUMFERENCE	.4403	.4200	.2900	.1881	.4855	.2321	.2160	.3238	.3492	.3038	.3577	.0678	.1996	.4068	.1857
54 ANKLE CIRCUMF"ENCE	.4458	.5048	.3725	.2535	.5258	.2869	.2709	.3725	.3164	.3692	.1174	.2543	.4242	.2006	
55 SCYE CIRCUMFERENCE	.3115	.2769	.2365	.1868	.2667	.2416	.2236	.3001	.3153	.2708	.3393	.0675	.1828	.3634	.1681
56 AXILLARY ARM CIRC.	.3933	.2570	.1849	.1389	.4052	.1516	.1399	.2718	.3019	.2969	.3607	.0120	.1233	.3895	.1578
57 BICEPS CIRC-FLEXED	.3950	.2689	.1813	.1249	.4096	.1510	.1464	.3110	.3433	.3421	.3998	.0119	.1338	.4342	.1703
58 ELBOW CIRC-FLEXED	.3707	.3714	.2589	.1812	.4290	.3191	.2717	.3841	.4336	.3733	.4384	.1127	.2712	.4993	.1893
59 LOWER ARM C-FLEXED	.4408	.3946	.2358	.1354	.4643	.2739	.2266	.4098	.4774	.4124	.4775	.0759	.2353	.5383	.2014
60 WRIST CIRCUMF"ENCE	.4454	.4899	.3643	.2455	.5165	.3745	.3298	.5025	.5404	.4615	.5717	.1336	.3125	.5799	.2088
61 SLEEVE INSEAM	.1693	.3138	.2641	.2643	.2879	.5138	.4377	.2699	.2745	.1704	.1781	.3905	.3910	.2587	.1383
62 SLEEVE LENGTH	.3382	.4423	.3609	.3259	.4227	.5884	.5142	.4090	.4779	.3049	.3226	.4018	.4539	.4265	.2172
63 ANTERIOR NECK LGTH	-.0784	.0843	.0871	.0701	-.0294	.1359	.1097	.0478	.0365	-.0348	.0301	.1671	.1371	-.0152	-.0351
64 POSTERIOR NECK LTH	.0228	.0912	.0915	.0805	.0622	.1253	.0990	.0992	.0955	.0354	.0532	.1323	.1421	.0875	.0263
65 SHOULDER LENGTH	.1316	.1897	.1716	.0982	.1906	.2923	.2458	.1751	.2007	.1179	.1219	.2461	.2773	.2017	.1014
66 WAIST BACK	.2542	.3346	.3096	.2616	.3131	.3972	.3614	.2919	.2753	.2004	.2498	.2475	.3078	.2679	.1919
67 WAIST FRONT	.2867	.3213	.2646	.2315	.3201	.2838	.2535	.2530	.2480	.2138	.2636	.1363	.2075	.2953	.1650
68 GLUTEAL ARC	.2146	.2837	.2056	.1525	.2895	.1945	.1645	.1740	.2150	.1575	.2135	.1164	.1600	.2056	.0919
69 GROUCH LENGTH	.3128	.2557	.2231	.1898	.3058	.1649	.1545	.2199	.2226	.2399	.2829	.0283	.1191	.2737	.1301
70 VERTICAL TRUNK C.	.4334	.4295	.3536	.2833	.4660	.3672	.3243	.3564	.3861	.3215	.3941	.1764	.2901	.4165	.2268
71 INTERSCYE	.2563	.2163	.1347	.1046	.2688	.1312	.1133	.2224	.2382	.2250	.2555	.0265	.1206	.2665	.1698
72 INTERSCYE-MAXIMUM	.2804	.3069	.2120	.1669	.3331	.2712	.2382	.3035	.3150	.2735	.2908	.1049	.1994	.3337	.1913
73 BUTTOCK CIRC/SIT.	.4342	.3298	.2637	.2077	.4274	.2466	.2278	.2789	.2934	.2977	.3495	.0636	.1757	.3652	.1952
74 KNEE CIRC/SITTING	.4897	.5129	.3681	.2867	.5482	.4088	.3525	.3921	.4407	.3373	.3919	.2169	.3255	.4603	.2325
75 FOOT LENGTH	.4370	.5939	.3678	.2782	.5025	.7347	.6366	.4771	.4784	.3004	.3760	.5330	.5756	.4648	.2287
76 INSTEP LENGTH	.3926	.5168	.2961	.2036	.4520	.6450	.5681	.4353	.4491	.2803	.3389	.4589	.5153	.4107	.1978
77 FOOT BREADTH	.5106	.5004	.3554	.2625	.7467	.4518	.3866	.4954	.5573	.3549	.4775	.2721	.4125	.5153	.2284
78 HEEL BREADTH	.4582	.2398	.2398	.1238	.5241	.3668	.3432	.3348	.4332	.3083	.4205	.3016	.4141	.4840	.1963
79 BI-MALLEOLAR BR"TH	.4582	.4241	.6883	.2892	.3986	.3319	.3620	.4723	.4843	.3274	.2965	.2051	.2697	.2951	.1730
80 MED"LL MALLEOLUS HT	.2398	.4241	.6883	.2892	.3986	.3319	.3620	.4723	.4843	.3274	.2965	.2051	.2697	.2951	.1730
81 LAT"LL MALLEOLUS HT	.1238	.2117	.6883	.2892	.3986	.3319	.3620	.4723	.4843	.3274	.2965	.2051	.2697	.2951	.1730
82 BALL OF FOOT CIRC.	.5241	.5280	.3986	.2892	.4196	.4196	.4196	.4196	.4196	.4196	.4196	.4196	.4196	.4196	.4196
83 HAND LENGTH	.3668	.4723	.3919	.3295	.4196	.3690	.8690	.5268	.5315	.2849	.4077	.6294	.6581	.5024	.2320
84 PALM LENGTH	.3432	.4069	.3620	.3153	.3573	.8690	.4391	.4391	.4391	.4391	.4391	.4391	.4391	.4391	.4391
85 HAND BREADTH/THUMB	.3948	.4176	.2823	.2111	.4843	.5268	.4391	.4391	.4391	.4391	.4391	.4391	.4391	.4391	.4391
86 HAND 9/METACARPALE	.4332	.4982	.2921	.1725	.5521	.5315	.4070	.4322	.4404	.3672	.4640	.1428	.7567	.2954	.1443
87 THICKNESS-META III	.3089	.3374	.2264	.1592	.3746	.4077	.3332	.4851	.5057	.3573	.5672	.3316	.5990	.2032	
88 FINGER DIAMETER	.4383	.4205	.2965	.2165	.4987	.4077	.3332	.4851	.5057	.3573	.5672	.3316	.5990	.2032	
89 GRIP DIAM"R INSIDE	.2127	.3016	.2051	.1529	.2369	.6294	.4849	.3353	.3057	.1022	.1428	.7567	.2954	.1443	
90 GRIP DIAM"R OUTSIDE	.3531	.4141	.2697	.1936	.3813	.6581	.5204	.4658	.4605	.3145	.3316	.7567	.2954	.1443	
91 GRIP DIAM"R OUTSIDE	.4691	.4840	.2951	.2089	.5418	.5024	.4032	.6162	.6713	.4784	.5990	.2954	.4927	.2338	
92 FIST CIRCUMFERENCE	.2509	.1963	.1730	.1266	.2321	.2320	.1862	.2238	.2307	.1621	.2032	.1443	.4927	.2338	
93 HEAD LENGTH															

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
94 HEAD BREADTH	.1962	.1642	.0770	.0504	.1826	.1199	.1016	.1131	.1643	.0844	.1296	.0531	.0952	.1573	.1202
95 MIN FRONTAL DIAM"R	.2265	.2169	.1002	.0332	.2276	.1517	.1168	.1390	.2033	.1220	.1754	.1001	.1400	.2172	.1868
96 MAX FRONTAL DIAM"R	.2517	.2332	.1051	.0239	.2360	.1613	.1117	.1449	.2241	.1385	.1876	.1081	.1510	.2303	.1814
97 BIZYGOMATIC DIAM"R	.3146	.2900	.1739	.1008	.3300	.2199	.1802	.2269	.2925	.2176	.2722	.1009	.1822	.2935	.2096
98 BIGONIAL DIAMETER	.2651	.2413	.1570	.0964	.2745	.1923	.1572	.2068	.2546	.2036	.2271	.0845	.1496	.2387	.1702
99 BITRAGON DIAMETER	.2645	.2561	.1993	.1368	.2794	.2307	.2164	.2097	.2512	.1827	.2359	.1002	.1586	.2366	.1747
100 INTEROCULAR DIAM"R	.1291	.1084	.0427	.0314	.1407	.0817	.0700	.1039	.1124	.0752	.1195	.0548	.0890	.1320	.1901
101 BIOCULAR DIAMETER	.1771	.1660	.1289	.1342	.2277	.1662	.1710	.0542	.0877	.1026	.1946	.0675	.1233	.1929	.2292
102 INTERPUPILLARY DIS	.1582	.1328	.1214	.0825	.2022	.1930	.1623	.3294	.2578	.1291	.1546	.0898	.1343	.1737	.2283
103 NOSE LENGTH	.1270	.1778	.1414	.0711	.1074	.2028	.1510	.1982	.1972	.1054	.1329	.1563	.1618	.1362	.1077
104 NOSE BREADTH	.1974	.1473	.1054	.0826	.2093	.1539	.1257	.2624	.2168	.1639	.2061	.0617	.1181	.2119	.1494
105 NASAL ROOT BREADTH	.0584	.0815	.0774	.0928	.1468	.0485	.0504	.0676	.0509	.1044	.1225	.0181	.0294	.1209	.1114
106 NOSE PROTRUSION	.1211	.1811	.1261	.0481	.1134	.1907	.1271	.2096	.2232	.0989	.0975	.1491	.1518	.1135	.0988
107 PHILTRUM LENGTH	.0989	.0523	.0710	.0700	.1232	.1271	.0902	.3310	.2285	.0990	.1073	.0656	.0893	.1290	.1280
108 MENTON-SUBNASALE	.1479	.1169	.1060	.0838	.1647	.1861	.1253	.3388	.2698	.1231	.1330	.1099	.1428	.1620	.1998
110 LIP-LIP DISTANCE	.0112	.0155	.0139	.0470	.0484	.0943	.0767	.0777	.0585	.0151	.0105	.0884	.0663	.0357	.0637
111 LIP LENGTH	.2059	.1691	.1037	.0532	.1914	.1557	.1393	.1538	.1990	.1441	.2354	.0713	.1373	.2234	.1425
112 EAR LENGTH	.2535	.2065	.1756	.1252	.2151	.2320	.1980	.2701	.2526	.1919	.2467	.1218	.1859	.2442	.1687
113 EAR BREADTH	.1461	.1444	.1273	.1078	.1315	.1676	.1535	.1598	.1471	.0831	.1341	.1094	.1494	.1411	.1124
114 EAR LTH ABOVE TRAG	.1350	.1031	.1045	.0768	.1201	.1192	.0886	.2571	.1898	.1512	.1456	.0570	.0972	.1290	.1093
115 EAR PROTRUSION	.0559	.0639	.0444	.0235	.0697	.0720	.0615	.1770	.1327	.0863	.0817	.0137	.0549	.0914	.0255
116 HEAD HEIGHT	.1695	.1082	.1002	.0990	.1281	.1152	.0936	.1134	.1101	.0697	.0896	.0957	.1283	.1059	.2066
117 MENTON PROJECTION	.0807	.0806	.0591	.0410	.1091	.1155	.1003	.2108	.1813	.0807	.0710	.0396	.0760	.1193	.1480
118 EXT'L CANTHUS-WALL	.1783	.1237	.1249	.0769	.1510	.1579	.1351	.1438	.1468	.0952	.1101	.1047	.1340	.1490	.6029
119 NASAL ROOT TO WALL	.2069	.1827	.1869	.1390	.2220	.2050	.1773	.2190	.2054	.1505	.1736	.1308	.1794	.1993	.6833
120 TRAGION TO WALL	.0898	.0498	.0832	.0460	.0604	.0623	.0587	.0725	.0667	.0332	.0473	.0525	.0620	.0570	.3962
121 LARYNX TO WALL	.2153	.1792	.1713	.1147	.2045	.2033	.1900	.1876	.1808	.1387	.1951	.0945	.1384	.1806	.2186
122 HEAD CIRCUMFERENCE	.3393	.2523	.1911	.1647	.3421	.2643	.2241	.2663	.2834	.2071	.2646	.1466	.2236	.3115	.6855
123 SAGITTAL ARC	.1846	.1810	.1139	.0635	.1674	.1750	.1310	.1332	.1705	.0762	.1039	.1443	.1600	.1554	.5617
124 BITRAG-CORONAL ARC	.2042	.1753	.1352	.1280	.1995	.1845	.1542	.1643	.1669	.0975	.1431	.1150	.1589	.1825	.2889
125 MINIMUM FR"ITAL ARC	.1181	.0900	.0542	.0507	.1518	.1272	.1165	.1001	.1084	.0928	.0997	.0267	.0617	.1258	.1665
126 BIT-MIN-FR"ITAL ARC	.3038	.2557	.1805	.1429	.3052	.2673	.2155	.2457	.2686	.1912	.2510	.1589	.2350	.2911	.4888
128 BITRAG-MENTON ARC	.3813	.3340	.2566	.1898	.4025	.3286	.2923	.3329	.3683	.2904	.3655	.1452	.2518	.3907	.3537
129 BIT-SUBMANDIBULAR	.3407	.2755	.2024	.1506	.3507	.2394	.2061	.2602	.2958	.2612	.3192	.0899	.1877	.3161	.2500
130 BIT-SUBNASALE ARC	.3446	.2941	.2405	.1834	.3807	.2780	.2425	.2948	.3151	.2663	.3219	.1114	.2103	.3437	.3789
131 POSTERIOR ARC	.3119	.2431	.2369	.1971	.3199	.2129	.2155	.2786	.2660	.2530	.3161	.0423	.1489	.3048	.3084
132 BITRAG-INION ARC	.1558	.1201	.1568	.1710	.1993	.1388	.1521	.2095	.1554	.1604	.2046	.0089	.0759	.1996	.3814
133 AGE	.1018	.0325	-.0161	-.0378	-.0197	.0032	-.0034	.0197	.0496	.0362	.1550	-.0371	-.0070	.0901	.0472

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
1 WEIGHT	.3211	.3778	.3963	.4953	.3659	.4070	.1387	.2429	.2085	.1034	.2129	.1425	.1223	.1055	.1532
2 HEIGHT (STATURE)	.1140	.1700	.1776	.2216	.2021	.2329	.0562	.1628	.1765	.2129	.0787	.0338	.2300	.0992	.1803
3 NASAL ROOT HEIGHT	.1092	.1833	.1927	.2289	.2079	.2371	.0644	.1481	.1659	.2314	.0678	.0393	.2393	.0980	.1872
4 EYE HEIGHT	.1093	.1825	.1928	.2295	.2087	.2378	.0568	.1497	.1682	.2245	.0699	.0232	.2365	.0968	.1850
5 FRAGION HEIGHT	.0910	.1624	.1749	.2136	.2012	.2292	.0527	.1437	.1602	.2159	.0693	.0176	.2312	.0866	.1650
6 CERVICALE HEIGHT	.1107	.1723	.1782	.2296	.1991	.2443	.0633	.1640	.1774	.1954	.0788	.0412	.2297	.0918	.1661
7 SHOULDER HEIGHT	.1119	.1767	.1858	.2377	.2099	.2410	.0655	.1484	.1749	.1936	.0804	.0230	.2205	.0909	.1661
8 SUPRASTERNALE HT	.1226	.1836	.1917	.2405	.2143	.2479	.0662	.1642	.1761	.1960	.0898	.0385	.2213	.0875	.1635
9 NIPPLE HEIGHT	.0942	.1658	.1729	.2128	.1840	.2259	.0501	.1397	.1614	.1926	.0644	.0199	.2194	.0716	.1493
11 ELBOW HEIGHT	.1160	.1788	.1888	.2360	.2025	.2364	.0655	.1405	.1675	.1778	.0787	.0328	.2011	.0921	.1629
12 WAIST HEIGHT	.0806	.1181	.1277	.1778	.1634	.1946	.0468	.1407	.1518	.1753	.0511	.0216	.1951	.0745	.1318
14 WRIST HEIGHT	.1052	.1494	.1581	.2097	.1782	.2166	.0594	.1438	.1613	.1566	.0704	.0569	.1617	.0869	.1420
15 CROTCH HEIGHT	.0597	.1666	.1737	.1493	.1412	.1611	.0271	.0420	.0932	.1942	.0061	-.0660	.2598	.0418	.1309
16 GLUTEAL FURROW HT	.0577	.1414	.1423	.1646	.1454	.1805	.0375	.1080	.1335	.1533	.0412	.0029	.1993	.0663	.1364
18 KNEECAP HEIGHT	.0957	.1291	.1274	.1846	.1760	.2060	.0505	.1362	.1499	.1363	.0688	.0551	.1537	.0783	.1344
19 SITTING HEIGHT	.1119	.1579	.1663	.2205	.1949	.2048	.0737	.1282	.1538	.1949	.0740	.0162	.1812	.1011	.1809
20 EYE HT/SITTING	.1014	.1711	.2030	.2261	.1931	.2018	.0530	.0991	.1264	.2080	.0563	.0036	.1735	.0894	.1804
21 SHOULDER HT/SITTING	.1017	.1676	.1957	.2277	.1939	.2037	.0731	.0885	.1378	.1476	.0674	-.0002	.1664	.0747	.1347
22 WAIST HT/SITTING	.0251	.0291	.0696	.0848	.0568	.0665	.0333	.0199	.0543	.0777	-.0058	-.0265	.0812	.0231	.0359
23 ELBOW REST HT/SIT	.0462	.1092	.1382	.1715	.0911	.0845	.0483	-.0042	.0459	.0476	.0168	-.0137	.0733	.0290	.0546
24 THIGH CLEARANCE HT	.2394	.2804	.2989	.3711	.2698	.2936	.1125	.1835	.1502	.0249	.1449	.1102	.0398	.0704	.0946
25 KNEE HT/SITTING	.1387	.2168	.2209	.2545	.2198	.2561	.0853	.1772	.1708	.1760	.0970	.0670	.2142	.0805	.1672
26 POPLITEAL HT/SIT	.0874	.1865	.1975	.1769	.1557	.1882	.0518	.0893	.1127	.1829	.0290	-.0282	.2327	.0511	.1372
27 BUTTOCK-KNEE LENGTH	.1368	.1990	.1960	.2579	.2238	.2439	.0597	.1632	.1629	.1520	.0811	.0462	.1893	.0760	.1325
28 BUTTOCK-LEG LENGTH	.1098	.1429	.1401	.2024	.1889	.2136	.0521	.1587	.1562	.1522	.0851	.0850	.1514	.0807	.1336
29 SHOULDER-ELBOW LTH	.0836	.1181	.1240	.1961	.1906	.1995	.0586	.1501	.1534	.1626	.0802	.0048	.1819	.0679	.1274
30 FOREARM-HAND LENGTH	.1055	.1466	.1507	.2203	.2076	.2267	.0805	.1844	.1727	.1856	.1213	.0676	.1961	.0817	.1469
31 SPAN	.1320	.1682	.1797	.2443	.2162	.2438	.0775	.1789	.1706	.2185	.1005	.0309	.2164	.0674	.1468
32 ARM REACH FR. WALL	.0913	.1431	.1425	.1958	.1867	.1870	.0638	.1591	.1382	.1613	.0812	.0717	.1398	.0446	.1149
33 MAXIMUM REACH/WALL	.0996	.1534	.1652	.2007	.1941	.1812	.0795	.1376	.1462	.1729	.0818	-.0018	.1633	.0593	.1171
34 FUNCTIONAL REACH	.0934	.1419	.1356	.1864	.1778	.1841	.0702	.1657	.1419	.1459	.0754	.0904	.1291	.0335	.1093
35 ELBOW-ELBOW BROT	.2842	.3086	.3275	.4331	.3114	.3343	.1087	.1780	.1419	.0692	.1756	.1059	.0478	.0767	.0934
36 HIP BREADTH/SITTING	.2930	.2946	.3085	.4158	.2868	.3446	.1145	.2243	.1762	.0587	.1603	.1344	.0682	.0762	.1104
37 KNEE-KNEE BRT4/SIT	.2483	.2627	.2646	.3782	.2745	.3324	.1345	.2449	.1825	.0903	.1767	.1755	.0746	.0945	.1295
38 BTACROMIAL DIAMTR	.2069	.2538	.2765	.3097	.2450	.2828	.1090	.1800	.1445	.1652	.1170	.0978	.1863	.0000	.0857
39 SHOULDER BREADTH	.2894	.3141	.3364	.4438	.3316	.3636	.1501	.2487	.1849	.1058	.2004	.1445	.0929	.0608	.1028
40 CHEST BREADTH	.2714	.3085	.3249	.4212	.3032	.3292	.1354	.2132	.1700	.1079	.1590	.1279	.0852	.0821	.1208
41 WAIST BREADTH	.2768	.2508	.2501	.3993	.2877	.3224	.1083	.2314	.1682	.0378	.1663	.1626	.0253	.0871	.0960
42 HIP BREADTH	.2708	.2918	.3072	.4072	.3096	.3411	.1196	.2158	.1986	.1353	.1410	.1070	.1440	.0645	.1085
43 CHEST DEPTH	.2177	.2688	.2840	.3632	.2840	.2922	.0959	.1665	.1434	.0276	.1678	.1034	.0281	.0766	.0687
44 WAIST DEPTH	.2241	.2590	.2609	.3517	.2644	.2727	.0822	.1537	.1304	.0107	.1415	.1186	.0118	.0759	.0780
45 BUTTOCK DEPTH	.2284	.2374	.2449	.3507	.2533	.2745	.1095	.2038	.1382	.0150	.1587	.1617	.0125	.0823	.0811
46 NECK CIRCUMFERENCE	.3183	.3196	.3298	.4398	.3223	.3734	.1853	.2917	.2005	.0520	.2614	.2361	.0498	.0984	.1375
47 SHOULDER CIRCUM-CE	.2980	.3258	.3441	.4501	.3234	.3695	.1401	.2504	.1879	.0750	.2160	.1683	.0645	.0696	.1117

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
48 CHEST CIRCUMFERENCE	.2961	.3429	.3776	.4625	.3399	.3627	.1144	.1901	.1685	.1103	.1816	.0763	.0935	.0820	.1127
49 WAIST CIRCUMFERENCE	.2771	.3180	.3288	.4167	.2997	.3235	.0942	.1681	.1472	.0367	.1416	.1186	.0645	.0582	.0870
50 BUTTOCK CIRCUMFERENCE	.2846	.3314	.3463	.4368	.3142	.3517	.1238	.2297	.1791	.0655	.1772	.1467	.0913	.0735	.1175
51 THIGH CIRCUMFERENCE	.2726	.3074	.3189	.3949	.2757	.3135	.1152	.1884	.1502	.0330	.1655	.1245	.0497	.0684	.0911
52 LOWER THIGH CIRC.	.2218	.2336	.2441	.3338	.2428	.2706	.1193	.2116	.1532	.0004	.1883	.1844	.0233	.1065	.1165
53 CALF CIRCUMFERENCE	.2549	.2921	.3028	.3791	.2704	.3117	.1314	.2003	.1603	.0431	.1813	.1543	.0711	.0758	.1147
54 ANKLE CIRCUMFERENCE	.2224	.2616	.2603	.3347	.2737	.2858	.1422	.2232	.1852	.0559	.1927	.2011	.0939	.0938	.1370
55 SCYE CIRCUMFERENCE	.1925	.1982	.2100	.3023	.2244	.2438	.0898	.1400	.1253	.0840	.1694	.0912	.0490	.0845	.0995
56 AXILLARY ARM CIRC.	.2646	.3091	.3356	.4103	.2915	.3045	.0980	.1573	.1221	.0362	.1786	.1008	.0428	.0594	.0744
57 BICEPS CIRC-FLEXED	.2687	.3025	.3216	.4039	.2976	.3023	.1120	.1900	.1400	.0241	.2039	.1307	.0097	.0753	.0866
58 ELBOW CIRC-FLEXED	.1930	.2475	.2633	.3334	.2699	.2590	.0981	.1774	.1293	.0850	.1893	.1269	.0775	.0785	.1066
59 LOWER ARM C-FLEXED	.2648	.3458	.3684	.4233	.3255	.3316	.1296	.1630	.1464	.0760	.2162	.1103	.0987	.0710	.1091
60 WRIST CIRCUMFERENCE	.1931	.2399	.2481	.3529	.2886	.2934	.1416	.2186	.1689	.0831	.2344	.1833	.0890	.1041	.1299
61 SLEEVE INSEAM	.0169	.0631	.0644	.0932	.0989	.1022	.0297	.0953	.1026	.1256	.0249	.0096	.1478	.0357	.0979
62 SLEEVE LENGTH	.1509	.1915	.2065	.2856	.2273	.2678	.0860	.1931	.1774	.1853	.1042	.0493	.1924	.0625	.1283
63 ANTERIOR NECK LGTH	-1060	-1267	-1250	-1132	-0358	-0657	-0091	-0176	.0043	.0794	.0515	.0509	.0590	.0007	.0206
64 POSTERIOR NECK LGTH	-.0792	-.1497	-.1619	-.1117	-.0700	-.1068	-.0397	-.0182	-.0364	.0660	.0025	-.0397	.0080	.0238	.0215
65 SHOULDER LENGTH	.0557	.0712	.0947	.1080	.0868	.1081	.0273	.0694	.0753	.1536	.0147	.0168	.1467	.0465	.0789
66 WAIST BACK	.0758	.1208	.1136	.1720	.1443	.1789	.0575	.1563	.1369	.1354	.0762	.0734	.1544	.0693	.1364
67 WAIST FRONT	.1458	.2083	.2073	.2543	.1972	.2041	.0830	.1441	.1342	.0600	.1302	.1084	.0552	.0691	.1038
68 GLUTEAL ARC	.0997	.1224	.1490	.1796	.1524	.1496	.0484	.0851	.0903	.0867	.0658	.0081	.1128	.0561	.0661
69 CROTCH LENGTH	.1896	.1710	.1840	.2841	.2041	.2480	.0962	.1824	.1389	.0289	.1377	.1203	.0762	.0674	.1307
70 VERTICAL TRUNK C.	.2277	.2815	.3022	.3897	.3068	.3332	.1033	.1941	.1846	.1165	.1683	.1003	.1474	.0869	.1307
71 INTERSCYE	.1475	.1948	.2027	.2736	.2191	.2157	.0734	.1343	.1027	.0722	.1378	.0798	.0626	.0315	.0870
72 INTERSCYE-MAXIMUM	.1964	.1915	.1928	.3144	.2278	.2596	.1010	.2172	.1694	.0972	.1421	.1491	.0894	.0355	.0945
73 BUTTOCK CIRC/SIT.	.2874	.3288	.3424	.4304	.3002	.3521	.1134	.2096	.1777	.0556	.1619	.1297	.1053	.0711	.1161
74 KNEE CIRC/SITTING	.2706	.3110	.3157	.4103	.3052	.3575	.1410	.2214	.2031	.1265	.1781	.1407	.1650	.0986	.1560
75 FOOT LENGTH	.1558	.1928	.2016	.2601	.2256	.2692	.1133	.1970	.1874	.2190	.1552	.0784	.2080	.0849	.1599
76 INSTEP LENGTH	.1307	.1783	.1854	.2330	.2091	.2448	.1014	.1739	.1712	.2008	.1327	.0735	.1864	.0840	.1510
77 FOOT BREADTH	.1685	.1955	.2011	.2962	.2422	.2565	.1433	.2355	.1953	.1351	.1964	.1456	.1040	.1310	.1797
78 HEEL BREADTH	.1962	.2255	.2517	.3146	.2651	.2645	.1291	.1771	.1582	.1270	.1974	.0584	.1211	.0989	.1479
79 BI-MALLEOLAR BR"TH	.1842	.2169	.2332	.2900	.2413	.2561	.1084	.1660	.1328	.1778	.1473	.0815	.1811	.0523	.1169
80 MED"LL MALLEOLUS HT	.0770	.1002	.1051	.1739	.1570	.1993	.0427	.1289	.1214	.1414	.1054	.0774	.1261	.0710	.1060
81 LAT"LL MALLEOLUS HT	.0504	.0332	.0239	.1008	.0964	.1368	.0314	.1342	.0825	.0711	.0826	.0928	.0481	.0700	.0838
82 BALL OF FOOT CIRC.	.1826	.2276	.2360	.3300	.2745	.2794	.1407	.2277	.2022	.1074	.2093	.1468	.1134	.1232	.1647
83 HAND LENGTH	.1199	.1617	.1613	.2199	.1923	.2307	.0817	.1662	.1930	.2028	.1539	.0485	.1907	.1271	.1861
84 PALM LENGTH	.1016	.1168	.1117	.1802	.1572	.2164	.0700	.1710	.1623	.1510	.1271	.0504	.1271	.0902	.1253
85 HAND BREADTH/THUMB	.1131	.1390	.1449	.2269	.2068	.2097	.1039	.0542	.3294	.1982	.2624	.0676	.2096	.3310	.3388
86 HAND 8/METACARPALE	.1643	.2033	.2241	.2926	.2546	.2512	.1124	.0877	.2578	.1972	.2168	.0509	.2232	.2285	.2698
87 THICKNESS-META III	.0844	.1220	.1385	.2176	.2036	.1827	.0752	.1026	.1291	.1054	.1639	.1044	.0989	.0990	.1231
89 FINGER DIAMETER	.1296	.1754	.1876	.2722	.2271	.2359	.1195	.1946	.1546	.1329	.2061	.1225	.0975	.1073	.1330
90 GRIP DIAM"R INSIDE	.0531	.1001	.1081	.1009	.0845	.1002	.0548	.0675	.0898	.1563	.0617	.0181	.1491	.0656	.1099
91 GRIP DIAM. OUTSIDE	.0952	.1400	.1510	.1822	.1496	.1586	.0890	.1233	.1343	.1618	.1181	.0294	.1518	.0893	.1428
92 GRIP CIRCUMFERENCE	.1573	.2172	.2303	.2935	.2387	.2366	.1320	.1929	.1737	.1362	.2119	.1209	.1135	.1290	.1620
93 HEAD LENGTH	.1202	.1868	.1814	.2096	.1702	.1747	.1901	.2292	.2283	.1077	.1494	.1114	.0988	.1280	.1998

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
94 HEAD BREADTH	.4512	.4727	.6441	.3087	.6259	.2189	.2506	.2252	.0789	.1612	.1104	.0803	.0285	.0516	
95 MIN FRONTAL DIAMETER	.4727	.8832	.5971	.3525	.4561	.3734	.3480	.3725	.0568	.1694	.1273	.1140	.0322	.0770	
96 MAX FRONTAL DIAMETER	.6441	.5971	.6807	.5014	.7603	.3294	.3876	.3480	.3685	.0594	.1786	.0908	.1245	.0326	
97 BIZYGOMATIC DIAMETER	.3087	.3525	.6807	.5014	.7603	.3294	.3876	.3480	.3685	.1138	.2249	.1387	.1201	.0898	
98 BIGONIAL DIAMETER	.6259	.4561	.5112	.7603	.4725	.2148	.2939	.2660	.1074	.2106	.1103	.1362	.0747	.0910	
99 BITRAGON DIAMETER	.2189	.3734	.3720	.3294	.4725	.2148	.2939	.2660	.1074	.2106	.1103	.1362	.0747	.0910	
100 INTEROCULAR DIAMETER	.2506	.3480	.3440	.3876	.2185	.2399	.5478	.4907	.3481	.0601	.1683	.4472	.1318	.1318	
101 BIOCLAR DIAMETER	.2252	.3725	.3685	.3488	.2114	.2660	.4907	.3481	.0601	.1683	.4472	.1318	.1318	.1318	
102 INTERPUPILLARY DIS	.0789	.0568	.0694	.1138	.0676	.1074	.0365	.0601	.1040	.0338	.1039	.1710	.4177	.3911	
103 NOSE LENGTH	.1612	.1694	.1786	.2249	.1455	.2106	.2250	.1683	.3238	.0477	.1733	.1335	.0998	.2052	
104 NOSE BREADTH	.1104	.1273	.0908	.1387	.0971	.1103	.4173	.4472	.1039	.1308	.1733	.1335	.0998	.2052	
105 NASAL ROOT BREADTH	.0803	.1140	.1245	.1201	.0724	.1362	.0414	.1125	.1710	.3871	.0431	.1335	.1081	.1964	
106 NOSE PROTRUSION	.0285	.0322	.0326	.0898	.0700	.0547	.0302	.1344	.4177	.0998	.2547	.0979	.1964	.7588	
107 PHILTRUM LENGTH	.0516	.0770	.0761	.1285	.0910	.0780	.0162	.1318	.3911	.2052	.1675	.0971	.1964	.7588	
108 MENTON-SUBNASALE	.0651	.0200	.0334	.0537	.0435	.0479	.0454	.0163	.0771	.0453	.0480	.0309	.0476	.0476	
110 LIP-LIP DISTANCE	.1753	.2081	.2345	.3058	.2519	.2753	.1854	.2905	.1211	.0300	.2767	.1059	.0094	.0134	
111 LIP LENGTH	.0639	.1435	.1599	.2090	.1893	.2177	.0525	.0733	.2143	.1978	.1789	.0207	.1901	.2292	
112 EAR LENGTH	.0927	.0977	.0960	.1119	.1339	.2489	.0197	.0552	.1433	.1558	.1235	.0033	.1582	.1406	
113 EAR BREADTH	.0141	.0537	.0680	.1011	.1003	.1145	.0158	.0924	.2379	.1570	.1232	.0924	.1830	.3157	
114 EAR LTH ABOVE TRAG	.0797	.0254	.0297	.0658	.0452	.0561	.0101	.0405	.1825	.0913	.0720	.0589	.1226	.1924	
115 EAR PROTRUSION	.2382	.1274	.1295	.1914	.0893	.1036	.0970	.1229	.1156	.0646	.0700	.0525	.0413	.1107	
116 HEAD HEIGHT	.0905	.1372	.1564	.1510	.0929	.1464	.0542	.0281	.2082	.0718	.1742	.0273	.1441	.1345	
118 EXT'L CANTHUS-WALL	.0759	.1040	.1016	.1275	.0946	.1220	.0437	.0776	.1073	.1082	.1071	.0119	.0587	.1168	
119 NASAL ROOT TO WALL	.1048	.1349	.1358	.1731	.1442	.1602	.1374	.1660	.1865	.1229	.1340	.0879	.1061	.1101	
120 TRAGION TO WALL	.0359	.0440	.0384	.0348	.0384	.0233	.0196	.0206	.0285	.0928	.0493	.0115	.0467	.0931	
121 LARYNX TO WALL	.1096	.1281	.1424	.1926	.1935	.2081	.0792	.1247	.1376	.0728	.1090	.0453	.0549	.0974	
122 HEAD CIRCUMFERENCE	.5569	.4001	.3856	.5441	.3256	.4991	.3073	.3801	.3433	.1167	.2372	.1974	.1065	.1268	
123 SAGITTAL ARC	.2006	.1993	.1869	.1798	.1103	.1487	.0984	.0977	.1396	.1165	.0631	.0490	.0914	.0172	
124 BITRAG-CORONAL ARC	.5378	.2857	.2825	.3458	.1664	.2574	.1830	.2516	.1982	.0643	.1433	.1415	.0276	.1283	
125 MINIMUM FRONTAL ARC	.2331	.4802	.3939	.2888	.1590	.2229	.2361	.2816	.2623	.0143	.1402	.1637	.0348	.0264	
126 BIT-MIN-FRONTAL ARC	.4295	.4748	.4702	.5649	.2769	.4088	.3871	.4423	.4147	.1527	.2216	.1893	.1195	.1195	
128 BITRAG-MENTON ARC	.2574	.3428	.3931	.5072	.3786	.4754	.1992	.3169	.2624	.1443	.2879	.1304	.0852	.1175	
129 BIT-SUBMANDIBULAR	.2307	.2327	.2611	.4276	.3611	.3967	.1451	.2444	.1949	.1213	.2134	.0961	.0907	.1137	
130 BIT-SUBNASALE	.2799	.4064	.4468	.5652	.3755	.4851	.2976	.4136	.3419	.3300	.3202	.1902	.0568	.1247	
131 POSTERIOR ARC	.3130	.2524	.2713	.4226	.3381	.4878	.1228	.2422	.1838	.0779	.2025	.1510	.0671	.1191	
132 BITRAG-INION ARC	.2338	.0408	.0329	.2026	.1795	.2801	.0997	.2392	.1423	.0344	.1394	.1971	.0415	.1229	
133 AGE	.0784	.0805	.0932	.1477	.1434	.0976	.0418	.0708	.0421	.1064	.0492	.1119	.0321	.1039	

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	110	111	112	113	114	115	115	117	118	119	120	121	122	123	124
1 WEIGHT	-0407	.2426	.3346	.1697	.1829	.0517	.2261	.1804	.2089	.2600	.1548	.3354	.4855	.1886	.2717
2 HEIGHT (STATURE)	.0823	.1123	.2648	.1603	.1415	.0950	.2070	.0926	.1909	.2683	.1112	.2389	.2792	.2396	.2467
3 NASAL ROOT HEIGHT	.0797	.1119	.2585	.1677	.1334	.0845	.1788	.1009	.1768	.2410	.1092	.2464	.2630	.2079	.2064
4 EYE HEIGHT	.0787	.1132	.2599	.1664	.1349	.0856	.1775	.1011	.1772	.2426	.1095	.2474	.2648	.2108	.2072
5 TRAGION HEIGHT	.0734	.1166	.2674	.1646	.1499	.0870	.1545	.0910	.1749	.2469	.0984	.2340	.2517	.2085	.1878
6 CERVICAL HEIGHT	.0709	.1143	.2619	.1618	.1412	.0983	.1777	.1052	.1830	.2510	.1138	.2705	.2704	.1970	.2111
7 SHOULDER HEIGHT	.0634	.1226	.2664	.1563	.1528	.0924	.1753	.0995	.1816	.2483	.1150	.2610	.2734	.1954	.1979
8 SUPRASTERNAL HT	.0675	.1210	.2620	.1647	.1392	.0926	.1806	.1023	.1796	.2522	.0967	.2300	.2804	.2059	.2120
9 NIPPLE HEIGHT	.0831	.0912	.2337	.1527	.1346	.0838	.1523	.0973	.1622	.2285	.0777	.1852	.2470	.1924	.1798
11 ELBOW HEIGHT	.0580	.1210	.2677	.1444	.1556	.0854	.1845	.0946	.1799	.2542	.1195	.2381	.2684	.1951	.1977
12 WAIST HEIGHT	.0799	.0839	.2093	.1364	.1258	.0882	.1453	.0632	.1523	.2145	.0834	.2190	.2162	.1614	.1683
14 WRIST HEIGHT	.0449	.1145	.2542	.1308	.1497	.0735	.1834	.0875	.1683	.2440	.1179	.2098	.2474	.1714	.1983
15 CROTCH HEIGHT	.1129	.0584	.1595	.1268	.0899	.0609	.1210	.0854	.1485	.1910	.0942	.1855	.1754	.2056	.1194
16 GLUTEAL FURROW HT	.0934	.0670	.1793	.1247	.1002	.0596	.1398	.0787	.1574	.2045	.1035	.2229	.2067	.1658	.1430
17 KNUCKLE HEIGHT	.0415	.1047	.2401	.1183	.1335	.0609	.1738	.0952	.1629	.2316	.1122	.1933	.2392	.1718	.1931
18 KNEECAP HEIGHT	.0869	.1048	.1979	.1367	.1161	.0850	.1521	.0884	.1759	.2303	.1101	.2330	.2420	.1429	.1823
19 SITTING HEIGHT	.0315	.1020	.2545	.1246	.1356	.0599	.2159	.0565	.1486	.2429	.0668	.1627	.2463	.2551	.2663
20 EYE HT/SITTING	.0190	.1017	.2289	.1250	.1132	.0451	.1579	.0545	.1254	.1973	.0677	.1625	.2124	.1982	.1809
21 SHOULDER HT/SITTING	-0145	.1082	.2277	.1127	.1397	.0534	.1329	.0549	.1298	.1944	.0662	.1832	.2205	.1788	.1595
22 WAIST HT/SITTING	-0148	.0179	.0683	.0223	.0504	.0261	.0517	-0184	.0202	.0698	-0176	.0346	.0413	.0762	.0571
23 ELBOW REST HT/SIT	-0440	.0408	.0968	.0181	.0571	.0074	.0621	.0283	.0478	.0973	.0197	.0253	.0844	.1093	.0707
24 THIGH CLEARANCE HT	-0290	.1650	.1988	.0759	.1135	.0182	.1563	.1242	.1273	.1785	.1080	.2004	.3372	.1019	.1650
25 KNEE HT/SITTING	.0956	.1237	.2278	.1661	.1151	.0805	.1755	.1147	.1952	.2515	.1174	.2617	.3030	.2186	.2091
26 POPLITEAL HT/SIT	.1010	.0660	.1469	.1186	.0707	.0632	.1252	.0978	.1682	.2019	.0995	.1811	.2075	.2216	.1381
27 BUTTOCK-KNEE LENGTH	.0627	.1217	.2449	.1544	.1498	.0687	.1328	.1079	.1791	.1916	.1189	.2470	.2901	.1454	.1794
28 BUTTOCK-LEG LENGTH	.0812	.1038	.2199	.1490	.1369	.0755	.1494	.0904	.1767	.2086	.1335	.2700	.2607	.1267	.1821
29 SHOULDER-ELBOW LTH	.0531	.1211	.2111	.1511	.1316	.0902	.1050	.0616	.1391	.1694	.0749	.2431	.2240	.1224	.1391
30 FOREARM-HAND LENGTH	.0880	.1366	.2325	.1476	.1256	.0942	.1103	.0975	.1715	.1994	.0693	.2250	.2685	.1772	.1826
31 SPAN	.0735	.1345	.2324	.1575	.1260	.0956	.1305	.0974	.1631	.2118	.0704	.2080	.2717	.1858	.1888
32 ARM REACH FR. WALL	.0475	.1173	.1991	.1340	.0961	.0902	.1146	.1010	.1461	.1633	.0904	.2311	.2211	.1369	.1337
33 MAXIMUM REACH/WALL	.0345	.1375	.2156	.1424	.1385	.0967	.1427	.0692	.1675	.2095	.1248	.2814	.2306	.1509	.1449
34 FUNCTIONAL REACH	.0411	.1101	.1871	.1291	.0755	.0810	.1080	.1073	.1401	.1603	.0878	.2201	.2244	.1383	.1371
35 ELBOW-ELBOW BROTH	-0931	.2381	.2624	.1249	.1471	.0361	.1329	.1516	.1664	.1541	.1382	.2544	.3787	.0739	.1861
36 HIP BREADTH/SITTING	-0483	.1740	.2637	.1233	.1385	.0496	.1714	.1151	.1364	.1749	.0973	.2569	.3911	.1121	.2416
37 KNEE-KNEE BROTH/SIT	.0081	.1617	.2341	.1255	.1197	.0554	.1834	.1055	.1495	.2239	.1074	.2687	.3685	.1280	.2361
38 BIACROMIAL DIAMETER	.0116	.1592	.1730	.1092	.0652	.0273	.0599	.1974	.1323	.1275	.0354	.1033	.2882	.2034	.1746
39 SHOULDER BREADTH	-0596	.2457	.2614	.1474	.1549	.0298	.1323	.1851	.1578	.1795	.0972	.2165	.4145	.1383	.2259
40 CHEST BREADTH	-0547	.2141	.2682	.1401	.1442	.0311	.1302	.1463	.1564	.1654	.0901	.1796	.4018	.1386	.2158
41 WAIST BREADTH	-0853	.2148	.2678	.1202	.1488	.0429	.1338	.0914	.1425	.2048	.1540	.3473	.3884	.0484	.2079
42 HIP BREADTH	-0636	.2112	.2929	.1584	.1564	.0464	.1397	.1315	.1577	.1221	.1006	.2569	.3669	.1113	.2189
43 CHEST DEPTH	-0778	.1997	.2655	.1590	.1533	.0019	.0688	.1185	.1485	.0839	.1175	.3309	.3296	.0441	.1149
44 WAIST DEPTH	-1108	.2611	.2620	.1143	.1484	.0252	.1608	.0809	.1449	.1522	.3122	.3215	.3033	.1586	.1586
45 BUTTOCK DEPTH	-0593	.1637	.2463	.1006	.1528	.0244	.1319	.0979	.1361	.1345	.1295	.2606	.3601	.0586	.1974
46 NECK CIRCUMFERENCE	-0181	.2459	.2214	.1242	.0961	.0139	.1822	.1534	.1877	.2235	.1299	.3091	.4519	.1287	.2649
47 SHOULDER CIRCUMFERENCE	-0676	.2233	.2571	.1274	.1413	.0220	.1665	.1848	.1697	.2018	.1000	.2343	.4242	.1388	.2234

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
48 CHEST CIRCUMFERENCE	-0.791	.2586	.3002	.1540	.1801	.0097	.1798	.1563	.1765	.2027	.1433	.3129	.4177	.1313	.1894
49 WAIST CIRCUMFERENCE	-1.150	.2101	.2781	.1173	.1495	.0229	.1712	.1193	.1558	.1694	.1594	.3158	.3797	.0844	.1790
50 BUTTOCK CIRCUMFERENCE	-0.521	.2025	.2958	.1382	.1605	.0331	.1934	.1480	.1660	.2169	.1325	.2926	.4178	.1366	.2332
51 THIGH CIRCUMFERENCE	-0.266	.1718	.2275	.1054	.1355	.0245	.1722	.1386	.1451	.1876	.1116	.2312	.3769	.1137	.2041
52 LOWER THIGH CIRC.	.0104	.1516	.1934	.1050	.0960	.0363	.1520	.1120	.1173	.1633	.0582	.1965	.3250	.0844	.2042
53 CALF CIRCUMFERENCE	.0134	.1451	.2036	.1130	.1030	.0401	.1496	.1365	.1275	.1769	.0651	.1894	.3219	.1329	.1965
54 ANKLE CIRCUMFERENCE	.0246	.1528	.2050	.1026	.0913	.0346	.1318	.1192	.1275	.1962	.0486	.1727	.3327	.1466	.2120
55 SCYE CIRCUMFERENCE	-0.459	.1812	.2124	.1151	.1357	.0221	.1398	.1004	.1333	.1575	.1044	.2330	.2873	.0867	.1651
56 AXILLARY ARM CIRC.	-0.959	.2053	.2457	.1136	.1498	.0161	.1518	.1487	.1291	.1526	.1149	.2422	.3503	.0866	.1660
57 BICEPS CIRC-FLEXED	-0.646	.2253	.2350	.1078	.1356	.0164	.1579	.1616	.1341	.1592	.1119	.2387	.3652	.0806	.1762
58 ELBOW CIRC-FLEXED	-0.136	.1810	.2202	.0970	.1236	.0282	.1278	.1561	.1293	.1584	.0969	.2163	.3046	.1168	.1602
59 LOWER ARM C-FLEXED	-0.404	.2159	.2249	.1039	.1066	.0298	.1282	.1907	.1382	.1586	.0884	.2161	.3605	.1530	.1651
60 WRIST CIRCUMFERENCE	-0.140	.2097	.2284	.1203	.1189	.0550	.1088	.1188	.1224	.1861	.0579	.2152	.3339	.1100	.1768
61 SLEEVE INSEAM	.0719	.0502	.0940	.0735	.0271	.0328	.0737	.0354	.0785	.1269	.0101	.1302	.1286	.1255	.1034
62 SLEEVE LENGTH	.0411	.1477	.2355	.1617	.1246	.0911	.1276	.1047	.1568	.1926	.0716	.2093	.3028	.1759	.1857
63 ANTERIOR NECK LGTH	-0.014	-0.169	-0.133	-0.094	-0.018	.0606	-0.053	.0112	-0.045	-0.218	.0274	.0675	-0.028	-0.784	-0.554
64 POSTERIOR NECK LGTH	.0838	-0.117	.0285	.0179	.0251	.0162	.0388	-0.065	.0238	.0579	-0.306	.1328	-0.221	.0673	.0157
65 SHOULDER LENGTH	.0742	.0666	.0858	.0904	.0703	.0368	.0326	.0779	.0380	.0804	-0.087	.0651	.1057	.1007	.0796
66 WAIST BACK	.0167	.1077	.2329	.1276	.1220	.0843	.1259	.1013	.1389	.1802	.1131	.3002	.2093	.1193	.1691
67 WAIST FRONT	-0.282	.1347	.2216	.1171	.1064	.0229	.1424	.0681	.1244	.1651	.0471	.1108	.2585	.1196	.1706
68 GLUTEAL ARC	-0.296	.1003	.1418	.0586	.0767	.0331	.0972	.0493	.0372	.1100	.1094	.0872	.1737	.0879	.1078
69 GROIN LENGTH	-0.429	.1356	.2035	.0753	.1237	.0512	.1459	.0685	.0897	.1518	.0515	.1773	.2867	.0704	.1714
70 VERTICAL TRUNK C.	-0.436	.2050	.3220	.1456	.1765	.0729	.1935	.1587	.1789	.2345	.1258	.2763	.3754	.1582	.2263
71 INTERSCYE	-0.685	.1765	.1956	.0315	.1239	.0160	.1042	.1135	.1142	.1438	.1029	.1937	.2552	.1122	.1232
72 INTERSCYE-MAXIMUM	-0.355	.1688	.2094	.1117	.1033	.0014	.1012	.1332	.1249	.1674	.0670	.1591	.3593	.1833	.1284
73 BUTTOCK CIRC/SIT.	-0.586	.1940	.2828	.1381	.1432	.0220	.1838	.1477	.1448	.1910	.1094	.2800	.4176	.1439	.2086
74 KNEE CIRC/SITTING	.0347	.1802	.2732	.1625	.1367	.0328	.1851	.1452	.1744	.2380	.1212	.2700	.4395	.2034	.2134
75 FOOT LENGTH	.0859	.1468	.2502	.1784	.1328	.0590	.1331	.0924	.1659	.2145	.0729	.2465	.2844	.1785	.2186
76 INSTEP LENGTH	.0796	.1314	.2313	.1510	.1239	.0481	.1209	.0896	.1360	.1843	.0591	.2244	.2469	.1498	.1852
77 FOOT BREADTH	.0636	.1846	.2185	.1376	.1227	.0797	.1214	.1018	.1398	.2058	.0441	.1752	.3193	.1691	.2067
78 HEEL BREADTH	.0112	.2059	.2535	.1461	.1350	.0559	.1635	.0807	.1783	.2069	.0898	.2153	.3393	.1846	.2042
79 BI-MALLEOLAR BR"TH	.0155	.1691	.2065	.1444	.1031	.0339	.1082	.0806	.1237	.1827	.0498	.1792	.2523	.1810	.1753
80 MED"LL MALLEOLUS HT	.0139	.1037	.1756	.1273	.1045	.0444	.1002	.0591	.1249	.1869	.0832	.1713	.1911	.1139	.1352
81 LAT"LL MALLEOLUS HT	.0470	.0532	.1252	.1078	.0768	.0235	.0930	.0410	.0763	.1390	.0460	.1147	.1647	.0635	.1280
82 BALL OF FOOT CIRC.	.0484	.1914	.2151	.1315	.1201	.0097	.1231	.1091	.1510	.2220	.0604	.2045	.3421	.1674	.1995
83 HAND LENGTH	.0943	.1557	.2320	.1676	.1192	.0720	.1152	.1155	.1579	.2050	.0623	.2033	.2643	.1750	.1845
84 PALM LENGTH	.0767	.1393	.1980	.1535	.0886	.0615	.0936	.1003	.1351	.1773	.0587	.1900	.2241	.1310	.1642
85 HAND BREADTH/THUMB	.0777	.1538	.2701	.1598	.2571	.1770	.1134	.2108	.1438	.2190	.0725	.1876	.2663	.1332	.1643
86 HAND 9/METACARPAL	.0585	.1990	.2526	.1471	.1898	.1327	.1101	.1813	.1468	.2054	.0667	.1808	.2834	.1705	.1669
87 THICKNESS-METAL III	-0.151	.1441	.1919	.0831	.1512	.0963	.0637	.0807	.0952	.1505	.0332	.1387	.2071	.0762	.0975
89 FINGER DIAMETER	-0.105	.2354	.2467	.1341	.1456	.0917	.0836	.0710	.1101	.1736	.0473	.1951	.2646	.1039	.1431
90 GRIP DIAM"R INSIDE	.0884	.0713	.1218	.1094	.0970	.0137	.0357	.0396	.1047	.1308	.0525	.0945	.1466	.1443	.1150
91 GRIP DIAM. OUTSIDE	.0663	.1373	.1859	.1494	.0782	.0549	.1233	.0760	.1340	.1794	.0620	.1384	.2236	.1600	.1589
92 FIST CIRCUMFERENCE	.0357	.2234	.2442	.1411	.1290	.0314	.1059	.1193	.1490	.1993	.0570	.1806	.3115	.1554	.1825
93 HEAD LENGTH	.0637	.1425	.1687	.1124	.1093	.0255	.2066	.1480	.6029	.6833	.3962	.2186	.6855	.5617	.2889

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
94 HEAD BREADTH	-0.651	.1753	.0639	.0927	.0141	.0797	.2382	.0905	.0759	.1048	.0359	.1096	.5569	.2006	.5378
95 MIN FRONTAL DIAMETER	-0.200	.2081	.1435	.0977	.0537	.0254	.1274	.1372	.1040	.1349	.0440	.1281	.4001	.1993	.2857
96 MAX FRONTAL DIAMETER	-0.334	.2345	.1599	.0960	.0580	.0297	.1295	.1564	.1016	.1358	.0384	.1424	.3856	.1869	.2825
97 BIZYGOMATIC DIAMETER	-0.537	.3058	.2090	.1119	.1011	.0558	.1271	.1510	.1275	.1731	.0348	.1926	.5441	.1798	.3458
98 BIGONIAL DIAMETER	-0.435	.2519	.1893	.1339	.1003	.0452	.0993	.0929	.0946	.1442	.0384	.1935	.3256	.1103	.1664
99 BITRAGION DIAMETER	-0.479	.2753	.2177	.2489	.1145	.0561	.1036	.1464	.1220	.1602	.0233	.2081	.4991	.1487	.2574
100 INTEROCULAR DIAMETER	.0454	.1854	.0525	.0197	.0158	.0101	.0370	.0542	.0437	.1374	.0196	.0792	.3073	.0984	.1830
101 BIOOCULAR DIAMETER	.0163	.2905	.0733	.0552	.0324	.0405	.1229	.0281	.0775	.1660	.0206	.1247	.3801	.0977	.2516
102 INTERPUPILLARY DIS	.0771	.1211	.2143	.1433	.2379	.1825	.1156	.2082	.1073	.1865	.0285	.1376	.3433	.1396	.1982
103 NOSE LENGTH	.0453	.0300	.1978	.1558	.1570	.0913	.0546	.0718	.1082	.1229	.0928	.0728	.1167	.0165	.0643
104 NOSE BREADTH	.0480	.2767	.1789	.1235	.1232	.0720	.0700	.1742	.1071	.1340	.0493	.1090	.2372	.0631	.1433
105 NASAL ROOT BREADTH	.0309	.1059	.0207	.0033	.0324	.0589	.0525	.0273	.0119	.0879	.0115	.0453	.1974	.0490	.1415
106 NOSE PROTRUSION	.0476	.0094	.1301	.1582	.1830	.1225	.0413	.1441	.0587	.1061	.0467	.0549	.1065	.0914	.0276
107 PHILTRUM LENGTH	.2877	-.0134	.2292	.1406	.3157	.1924	.1107	.1345	.1168	.1101	.0931	.0974	.1268	.0172	.1283
108 MENTON-SUBNASALE	.3300	-.0663	.2269	.1403	.2602	.1516	.1713	.1914	.1420	.1599	.1264	.1112	.1900	.1199	.1725
110 LIP-LIP DISTANCE	-.0559	.0212	.0219	.0219	.0394	.0056	.0261	.0360	.0479	.0444	.0506	.0305	.0151	.0506	.0508
111 LIP LENGTH	-.0559	.2163	.1431	.1431	.0909	.0535	.0598	.1435	.0761	.1244	.0136	.1323	.2215	.0576	.0933
112 EAR LENGTH	.0212	.2163	.1431	.1431	.0909	.0535	.0598	.1435	.0761	.1244	.0136	.1323	.2215	.0576	.0933
113 EAR BREADTH	.0219	.1431	.0601	.4601	.5772	.1953	.0720	.1331	.1217	.1548	.0839	.1973	.2251	.0982	.0915
114 EAR LTH ABOVE TRAG	.0394	.0909	.5772	.4511	.4511	.0412	.0084	.0986	.0918	.1120	.0398	.1416	.1830	.0552	.0180
115 EAR PROTRUSION	.0056	.0535	.1953	.0412	.1588	.1588	.0141	.1224	.1035	.1152	.0830	.1375	.1187	.0233	.0012
116 HEAD HEIGHT	.0261	.0598	.0720	.0084	.0141	.0819	.0819	.0581	.1514	.3623	.2169	.2076	.2671	.2885	.4939
117 MENTON PROJECTION	-.0360	.1435	.1331	.0386	.1224	.0934	.0581	.0783	.0783	.0822	.0507	.0297	.1784	.0814	.0769
118 EXT-L CANTHUS-WALL	.0479	.0761	.1217	.0918	.1036	.0317	.1514	.0822	.6110	.6110	.6207	.2481	.4277	.3589	.1963
119 NASAL ROOT TO WALL	.0444	.1244	.1548	.1120	.1152	.0485	.3623	.0822	.6110	.6110	.6207	.2481	.4277	.3589	.1963
120 TRAGION TO WALL	.0606	.0136	.0839	.0398	.0830	.0441	.2169	.0507	.6207	.4924	.4924	.4413	.2612	.2112	.1589
121 LARYNX TO WALL	-.0305	.1323	.1973	.1416	.1375	.0572	.2076	.0297	.2481	.3114	.4413	.2600	.2600	.0820	.1215
122 HEAD CIRCUMFERENCE	.0151	.2215	.2251	.1830	.1187	.0471	.2671	.1784	.4277	.4985	.2612	.2600	.2600	.5398	.4557
123 SAGITTAL ARC	.0506	.0576	.0982	.0552	.0233	.0035	.2885	.0814	.3589	.4209	.2112	.0820	.5398	.4557	.4133
124 BITRAG-CORONAL ARC	.0508	.0933	.0915	.0180	.0012	.0951	.4939	.0769	.1963	.2467	.1589	.1215	.4557	.4133	.4133
125 MINTHUM FRONTAL ARC	.0188	.1038	.0677	.0680	.0030	.0048	.0356	.0888	.0673	.1036	.0271	.0325	.3096	.2292	.2027
126 BIT-MIN-FRONTAL ARC	-.0207	.2284	.1942	.1358	.0881	.0646	.2788	.1813	.2448	.3591	.0233	.1809	.6621	.3261	.4460
128 BITRAG-MENTON ARC	-.0461	.3586	.3310	.2095	.1906	.0064	.1140	.3446	.2121	.2956	.0046	.2448	.4963	.2617	.1872
129 BIT-SUBMANDIBULAR ARC	-.0346	.2829	.3276	.1761	.1966	.0223	.1039	.0857	.1589	.2408	.0402	.2698	.4567	.2431	.0663
130 BIT-SUBNASALE ARC	-.0062	.3713	.2934	.1753	.1700	.0136	.1046	.2395	.2181	.3195	.0204	.2281	.5197	.2081	.2005
131 POSTERIOR ARC	-.0013	.2247	.3433	.2050	.2394	.1888	.1307	.1508	.2424	.2625	.2348	.2859	.5236	.1920	.1984
132 BITRAG-INION ARC	.0415	.0922	.1821	.0752	.1212	.2319	.1179	.0451	.2756	.2841	.2732	.2177	.4719	.1855	.2453
133 AGE	-.2548	.2431	.1980	.1184	.0894	.0177	.0329	.0266	.0681	.0250	.1104	.1744	.0504	-.0562	-.0478

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	125	126	128	129	130	131	132	133
1 WEIGHT	.1820	.4097	.5674	.5766	.5357	.5433	.2527	.1792
2 HEIGHT (STATURE)	.1017	.2628	.3221	.2661	.2575	.2594	.1646	-.0251
3 NASAL ROOT HEIGHT	.0918	.2570	.3095	.2497	.2436	.2419	.1429	-.0063
4 EYE HEIGHT	.0929	.2586	.3127	.2531	.2462	.2437	.1435	-.0067
5 TRAGION HEIGHT	.0901	.2378	.3245	.2728	.2550	.2506	.1429	-.0114
6 CERVICAL HEIGHT	.1103	.2552	.3177	.2638	.2626	.2546	.1618	-.0191
7 SHOULDER HEIGHT	.1003	.2556	.3264	.2808	.2697	.2625	.1464	-.0075
8 SUPRASTERNAL HT	.1068	.2623	.3354	.2829	.2812	.2706	.1578	-.0073
9 NIPPLE HEIGHT	.0979	.2365	.2959	.2365	.2465	.2246	.1294	-.0535
11 ELBOW HEIGHT	.0988	.2495	.3138	.2855	.2730	.2702	.1464	.0009
12 WAIST HEIGHT	.0741	.2084	.2531	.1950	.2119	.1981	.1374	-.0518
14 WRIST HEIGHT	.0937	.2325	.2868	.2640	.2574	.2611	.1578	.0095
15 CROTCH HEIGHT	.0542	.1708	.2128	.1432	.1438	.1039	.0132	-.0720
16 GLUTEAL FURROW HT	.0750	.1915	.2449	.1864	.1918	.1762	.1099	-.0626
17 KNUCKLE HEIGHT	.1062	.2203	.2766	.2549	.2487	.2480	.1477	.0093
18 KNEECAP HEIGHT	.0976	.2281	.2853	.2219	.2434	.2182	.1726	-.0463
19 SITTING HEIGHT	.0950	.2505	.3004	.2736	.2318	.2472	.1321	.0258
20 EYE HT/SITTING	.0763	.2315	.2675	.2324	.1976	.2098	.0913	.0682
21 SHOULDER HT/SITTING	.0985	.2156	.2770	.2686	.2241	.2323	.0718	.0519
22 WAIST HT/SITTING	.0197	.0739	.0601	.0498	.0580	.0451	-.0142	.0095
23 ELBOW REST HT/SIT	.0598	.1029	.1181	.1410	.1065	.0978	-.0281	.0470
24 THIGH CLEARANCE HT	.1276	.2747	.3727	.3998	.3870	.3850	.1716	.0713
25 KNEE HT/SITTING	.1235	.2824	.3536	.2842	.3010	.2548	.1505	-.0471
26 POPLITEAL HT/SIT	.0804	.1965	.2391	.1775	.1825	.1396	.0126	-.0827
27 BUTTOCK-KNEE LENGTH	.1030	.2435	.3363	.3013	.2903	.3004	.1784	.0020
28 BUTTOCK-LEG LENGTH	.1046	.2165	.2889	.2450	.2521	.2734	.2022	-.0228
29 SHOULDER-ELBOW LTH	.0727	.1999	.2741	.2119	.2006	.2088	.1390	-.0065
30 FOREARM-HAND LENGTH	.1086	.2575	.3402	.2596	.2802	.2294	.1659	-.0514
31 SPAN	.0971	.2582	.3386	.2492	.2640	.2341	.1493	-.0396
32 ARM REACH FR. WALL	.0853	.1985	.2892	.2349	.2324	.2319	.1552	.0195
33 MAXIMUM REACH/WALL	.0462	.2096	.2859	.2324	.2175	.2278	.1308	.0343
34 FUNCTIONAL REACH	.0999	.1966	.2798	.2194	.2260	.2302	.1637	-.0077
35 ELBOW-ELBOW BROTH	.1146	.3222	.4696	.5062	.4483	.4586	.1948	.2870
36 HIP BREADTH/SITTING	.1573	.3378	.4421	.4527	.4349	.4455	.2234	.1219
37 KNEE-KNEE BROTH/SIT	.1599	.3241	.4267	.4214	.4363	.4102	.2421	.0226
38 BIACROMIAL DIAMETER	.1366	.2739	.3735	.2927	.3025	.2636	.0932	.0147
39 SHOULDER BREADTH	.1447	.3640	.5228	.4948	.4768	.4585	.2092	.1663
40 CHEST BREADTH	.1351	.3569	.4810	.4759	.4427	.4245	.1862	.1961
41 WAIST BREADTH	.1301	.3109	.4450	.4934	.4375	.4833	.2717	.2308
42 HIP BREADTH	.1296	.3332	.4422	.4371	.4201	.4107	.1862	.1952
43 CHEST DEPTH	.1059	.2626	.4232	.4670	.4152	.4254	.1894	.2633
44 WAIST DEPTH	.0903	.2665	.4029	.4925	.3961	.4346	.1941	.3336
45 BUTTOCK DEPTH	.1075	.2864	.4154	.4831	.4194	.4670	.2472	.1634
46 NECK CIRCUMFERENCE	.2129	.3725	.5007	.5069	.4776	.5102	.2902	.1009
47 SHOULDER CIRCUMFERENCE	.1809	.3606	.5206	.5063	.4946	.4786	.2270	.1583

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	125	126	128	129	130	131	132	133
48 CHEST CIRCUMF"ENCE	.1323	.3563	.5214	.5407	.4843	.4711	.1750	.2785
49 WAIST CIRCUMF"ENCE	.1229	.3084	.4446	.5245	.4327	.4718	.1935	.3034
50 BUTTOCK CIRCUMF"CE	.1610	.3517	.4864	.5128	.4756	.4898	.2281	.1523
51 THIGH CIRCUMF"ENCE	.1510	.3118	.4282	.4551	.4301	.4322	.1891	.0920
52 LOWER THIGH CIRC.	.1676	.2621	.3689	.3773	.3786	.3890	.2313	.0077
53 CALF CIRCUMFERENCE	.1612	.2939	.4170	.4051	.4145	.4121	.2033	.0305
54 ANKLE CIRCUMF"ENCE	.1770	.2857	.3788	.3544	.3840	.3526	.1993	.0088
55 SCYE CIRCUMFERENCE	.0885	.2362	.3673	.3776	.3420	.3551	.1837	.1866
56 AXILLARY ARM CIRC.	.1194	.3022	.4549	.4849	.4386	.4486	.1691	.2485
57 BICEPS CIRC-FLEXED	.1378	.3110	.4599	.4724	.4502	.4546	.1993	.2164
58 ELBOW CIRC-FLEXED	.1153	.2753	.4079	.3945	.3715	.3536	.1855	.1116
59 LOWER ARM C-FLEXED	.1432	.3205	.4729	.4771	.4376	.4077	.1434	.1848
60 WRIST CIRCUMF"ENCE	.1343	.3035	.4344	.4161	.4151	.3972	.2264	.0974
61 SLEEVE INSEAM	.0593	.1311	.1609	.0903	.1124	.0580	.0684	.1084
62 SLEEVE LENGTH	.0979	.2732	.3698	.3009	.3058	.2845	.1549	.0024
63 ANTERIOR NECK LGTH	-.1688	-.0504	-.1509	-.1527	-.1392	-.1045	.0252	-.0401
64 POSTERIOR NECK LTH	-.0464	-.0251	.0112	.0739	-.0229	-.0613	-.0567	-.0994
65 SHOULDER LENGTH	.0428	.1151	.1806	.1198	.1251	.0886	.0543	-.0637
66 WAIST BACK	.1038	.1938	.2516	.2361	.2058	.2565	.1694	.0282
67 WAIST FRONT	.1219	.2336	.3147	.3267	.2976	.2958	.1544	.1159
68 GLUTEAL ARC	.0592	.1628	.2111	.2012	.1885	.1760	.0551	.0943
69 GROUCH LENGTH	.1191	.2450	.3182	.3538	.3351	.3781	.2139	.0886
70 VERTICAL TRUNK C.	.1281	.3283	.4617	.4772	.4258	.4600	.2075	.1634
71 INTERSCYE	.1043	.2181	.3166	.3591	.2966	.3054	.1354	.1510
72 INTERSCYE-MAXIMUM	.2045	.2795	.4090	.4588	.3634	.3653	.1971	.0928
73 BUTTOCK CIRC/SIT.	.1774	.3430	.4727	.5222	.4537	.4753	.2011	.1918
74 KNEE CIRC/SITTING	.1719	.3611	.4690	.5061	.4599	.4254	.2158	.0499
75 FOOT LENGTH	.1096	.2731	.3543	.2807	.3035	.2433	.1540	-.0375
76 INSTEP LENGTH	.1156	.2317	.3279	.2686	.2771	.2233	.1373	-.0348
77 FOOT BREADTH	.1544	.2878	.3640	.2873	.3487	.2923	.2000	-.0493
78 HEEL BREADTH	.1181	.3038	.3813	.3407	.3446	.3119	.1558	.1018
79 BI-MALLEOLAR BR"TH	.0900	.2557	.3340	.2755	.2941	.2431	.1201	.0325
80 MED"LL MALLEOLUS HT	.0542	.1805	.2566	.2024	.2405	.2369	.1568	-.0161
81 LAT"LL MALLEOLUS HT	.0507	.1429	.1898	.1506	.1834	.1971	.1710	-.0378
82 BALL OF FOOT CIRC.	.1518	.3052	.4025	.3507	.3807	.3199	.1993	-.0197
83 HAND LENGTH	.1272	.2673	.3286	.2394	.2780	.2129	.1388	.0032
84 PALM LENGTH	.1165	.2155	.2923	.2061	.2425	.2155	.1521	-.0034
85 HAND BREADTH/THUMB	.1001	.2457	.3329	.2602	.2948	.2786	.2095	.0197
86 HAND B/METACARPAL	.1084	.2686	.3683	.2958	.3151	.2660	.1554	.0496
87 THICKNESS-META III	.0928	.1912	.2904	.2612	.2663	.2530	.1504	.0362
89 FINGER DIAMETER	.0997	.2510	.3655	.3192	.3219	.3161	.2046	.1550
90 GRIP DIAM"R INSIDE	.0267	.1589	.1452	.0899	.1114	.0423	.0089	-.0371
91 GRIP DIAM. OUTSIDE	.0617	.2350	.2518	.1877	.2103	.1489	.0759	-.0070
92 FIST CIRCUMFERENCE	.1258	.2911	.3907	.3161	.3437	.3048	.1996	.0901
93 HEAD LENGTH	.1665	.4888	.3537	.2500	.3789	.3084	.3814	.0472

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	125	126	128	129	130	131	132	133
94 HEAD BREADTH	.2331	.4295	.2674	.2307	.2799	.3130	.2338	.0784
95 MIN FRONTAL DIAMETER	.4802	.3428	.2327	.4064	.2524	.0408	.0805	
96 MAX FRONTAL DIAMETER	.3939	.4702	.3931	.2611	.4468	.2713	.0329	.0932
97 BIZYGOMATIC DIAMETER	.2888	.5649	.5072	.4276	.5652	.4226	.2026	.1477
98 BIGONIAL DIAMETER	.1590	.2769	.3786	.3611	.3755	.3381	.1795	.1434
99 BITRAGION DIAMETER	.2229	.4088	.4754	.3967	.4851	.4878	.2801	.0976
100 INTEROCULAR DIAMETER	.2361	.3871	.1992	.1451	.2976	.1228	.0997	-.0418
101 BIOCLULAR DIAMETER	.2816	.4423	.3169	.2444	.4136	.2422	.2392	-.0708
102 INTERPUPILLARY DIS	.2623	.4147	.2624	.1949	.3419	.1838	.1423	.0421
103 NOSE LENGTH	-.0143	.1527	.1443	.1213	.1330	.0779	.0344	.1064
104 NOSE BREADTH	.1402	.2216	.2879	.2134	.3202	.2025	.1394	.0492
105 NASAL ROOT BREADTH	.1637	.1893	.1304	.0961	.1902	.1510	.1971	-.1119
106 NOSE PROTRUSION	.0348	.1195	.0852	.0907	.0568	.0571	-.0415	.0321
107 PHILTRUM LENGTH	.0264	.1195	.1175	.1137	.1247	.1191	.1229	.1039
108 MENTON-SUBNASALE	.0585	.1792	.2150	.1540	.1074	.1278	.1245	.0656
110 LIP-LIP DISTANCE	.0188	-.0207	-.0461	-.0346	-.0062	-.0013	.0415	-.2548
111 LIP LENGTH	.1038	.2284	.3586	.2829	.3713	.2247	.0922	.2431
112 EAR LENGTH	.0677	.1942	.3310	.3276	.2934	.3433	.1821	.1980
113 EAR BREADTH	.0680	.1358	.2095	.1761	.1753	.2050	.0752	.1184
114 EAR LTH ABOVE TRAG	-.0030	.0881	.1906	.1966	.1700	.2394	.1212	.0894
115 EAR PROTRUSION	.0048	.0646	.0064	.0223	.0136	.1888	.2319	.0177
116 HEAD HEIGHT	.0356	.2788	.1140	.1039	.1046	.1307	.1179	.0329
117 MENTON PROJECTION	.0868	.1813	.3446	.0857	.2395	.1508	.0451	.0266
118 EXT'L CANTHUS-WALL	.0673	.2448	.2121	.1689	.2181	.2424	.2756	.0681
119 NASAL ROOT TO WALL	.1036	.3591	.2956	.2408	.3195	.2626	.2841	.0250
120 TRAGION TO WALL	-.0271	.0233	.0046	.0402	-.0204	.2348	.2732	.1104
121 LARYNX TO WALL	.0325	.1809	.2448	.2698	.2281	.2859	.2177	.1744
122 HEAD CIRCUMFERENCE	.3096	.6621	.4963	.4567	.5197	.5236	.4719	.0504
123 SAGITTAL ARC	.2292	.3261	.2617	.2431	.2081	.1920	.1855	-.0562
124 BITRAG-CORONAL ARC	.2027	.4450	.1872	.0663	.2005	.1984	.2453	-.0478
125 MINIMUM FRONTAL ARC		.3448	.2244	.1348	.2692	.1876	.0670	-.0677
126 BIT-MIN-FRONTAL ARC	.3448		.4956	.3550	.6195	.1968	.1113	.0778
128 BITRAG-MENTON ARC	.2244	.4956	.7210	.7210	.7674	.4080	.1688	.1350
129 BIT-SUBMANDIBULAR	.1348	.3550	.7210		.6079	.4212	.1679	.2065
130 BIT-SUBNASALE ARC	.2692	.6195	.7674	.6079		.3527	.1562	.0851
131 POSTERIOR ARC	.1876	.1968	.4080	.4212	.3527		.6554	.1267
132 BITRAG-INION ARC	.0670	.1113	.1688	.1679	.1562	.6554		-.0194
133 AGE	-.0677	.0778	.1350	.2065	.0851	.1267	-.0194	

Section VII

THE CORRELATIONS--USAF BASIC TRAINEES--1965

The USAF male survey of 1965 (unpublished) was planned under the direction of H.T.E. Hertzberg, then Chief of the Anthropology Branch of the Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio and conducted during the spring and summer of 1965. One hundred and fifty-seven body size dimensions and grip strength were measured. Somewhat over 500 officers and about 800 enlisted men were measured in the early stages of the survey. The major portion of the survey took place at Lackland Air Force Base near San Antonio, Texas where the 2632 basic trainees used in this study were measured. The measuring team consisted of Antioch College students supervised during the first half of the survey by Mr. Hertzberg and later by Milton Alexander and Charles E. Clauser of the Aerospace Medical Research Laboratory, and Lloyd Laubach of the Anthropology Research Project.

Only the data for the basic trainees have been used here. These men ranged in age from 17 to 28 years, with 90% of the sample less than 21 years old. By race, the sample divided into 84% Whites, 15% Blacks, and less than 1% other. Nine percent were born in New England, 14% in mid-Atlantic states, 18% in south-Atlantic states, 20% in the east-north-central states, 9% in the east-south-central states, 6% in the west-north-central states, 13% in the west-south-central states, 3% in the mountain states, 6% in the Pacific states, and 3% were foreign born. Five percent had less than a high school education, 79% were high school graduates, and 16% had some college or special training.

The correlations of age, the 157 body measurements, grip strength, and reported stature and reported weight are included in Table VII. (Missing variable numbers 160-168 represent background data on rank, race, marital states, etc.)

TABLE VII

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE	.1032	.1374	.0563	.0743	.1184	.1010	-.0392	.1610	-.0002	.0014	.0033	.0009	.0045	-.0120	
2 WEIGHT	.1032	.6855	.5838	.4543	.6815	.6574	.3554	.4293	.4740	.4758	.4802	.4759	.4363	.3987	
3 SKF SUBSCAPULAR	.1374	.6855	.6150	.4486	.7732	.7173	.3375	.1644	.0616	.0724	.0894	.0981	.0904	.1058	
4 SKF TRICEPS	.0563	.5838	.6150	.5446	.6398	.6456	.3000	.0656	.0358	.0492	.0614	.0781	.0840	.1058	
5 SKF JUXTA NIPPLE	.0743	.4543	.4486	.5446	.4819	.5170	.2538	.0690	.0496	.0604	.0724	.0894	.0904	.0848	.0978
6 SKF MAL XIPHOID	.1184	.6815	.7732	.6398	.4819	.8179	.3305	.0910	.0328	.0511	.0774	.0990	.1116	.1310	
7 SKF SUPRA ILIAC	.1010	.6674	.7173	.6456	.5170	.8179	.3362	.1283	.0496	.0560	.0789	.0982	.1259	.1484	
8 SKF DORSAL HAND	-.0392	.3554	.3375	.3000	.2538	.3305	.3362	.0899	.0808	.0746	.0869	.0915	.0851	.0884	
9 GRIP STRENGTH	.1610	.4293	.1644	.0656	.0690	.0910	.1283	.0899	.3260	.3084	.3104	.2951	.2478	.1556	
10 HEIGHT (STATURE)	-.0002	.4740	.0616	.0358	.0496	.0328	.0496	.0808	.3260	.9780	.9587	.9240	.8324	.7638	
11 GERVICALE HEIGHT	.0014	.4758	.0724	.0492	.0604	.0511	.0560	.0746	.3084	.9780	.9587	.9240	.8324	.7638	
12 SHOULDER(ACROM) HT	.0033	.4802	.0894	.0614	.0609	.0774	.0789	.0869	.3104	.9587	.9662	.9289	.8346	.7624	
13 ELBOW (RADIALE) HT	.0009	.4759	.0981	.0781	.0800	.0990	.0982	.0915	.2951	.9240	.9698	.9698	.8775	.8111	
14 WRIST (STYLION) HT	-.0045	.4363	.0904	.0840	.0848	.1116	.1259	.0851	.1556	.7638	.8346	.8775	.9411	.8726	
15 DACTYLION HEIGHT	-.0120	.3987	.1058	.1058	.0978	.1310	.1484	.0884	.3316	.9726	.9714	.9645	.9280	.8330	.7495
16 SUPRATERNALE HT	-.0060	.4807	.0814	.0473	.0480	.0495	.0542	.0874	.3316	.9726	.9714	.9645	.9280	.8330	.7495
17 CHEST (NIPPLE) HT	-.0384	.3683	-.0105	-.0308	-.0207	-.0455	-.0357	.0422	.2883	.9437	.9426	.9493	.9139	.8219	.7345
18 WAIST HEIGHT (OMP)	-.0389	.3445	-.0200	-.0390	-.0335	-.0515	-.0529	.0261	.2932	.9078	.9190	.9087	.8580	.7507	.6683
19 ILIOCRISTALE	-.0346	.3956	.0396	.0181	.0132	.0146	.0332	.0729	.2952	.8965	.8977	.8986	.8395	.7192	.6370
20 TROCHANTERIC HT	-.0484	.3547	.0152	.0125	-.0127	-.0205	-.0396	.0461	.2687	.8552	.8652	.8655	.7995	.6706	.6020
21 BUTTOCK HEIGHT	-.0582	.3466	.0323	.0274	-.0275	-.0058	-.0470	.0128	.2554	.8378	.8611	.8471	.7900	.6720	.5855
22 CROTCH HEIGHT	-.0661	.3122	-.0128	-.0539	-.0483	-.0499	-.0801	.0180	.2641	.8574	.8767	.8618	.7938	.6655	.5901
23 GLUTEAL FURROW HT	-.0639	.3039	-.0096	-.0657	-.0503	-.0476	-.0786	.0162	.2573	.8499	.8724	.8618	.7973	.6707	.5865
24 PATELLA TOP HEIGHT	-.0185	.3698	.0371	-.0176	-.0104	.0000	-.0279	.0462	.2920	.8454	.8641	.8521	.7965	.6738	.5938
25 PATELLA BOTTOM HT	-.0341	.3641	.0484	-.0274	-.0288	.0069	-.0201	.0479	.2922	.8276	.8448	.8371	.7835	.6643	.5889
26 CALF HEIGHT	-.0473	.3256	.0521	.0260	.0133	.0075	-.0270	.0182	.2440	.7161	.7438	.7270	.6903	.5872	.5024
27 ANKLE HEIGHT	-.0608	.1361	-.0056	-.0572	-.0817	-.0413	-.0332	.0296	.1693	.3314	.3181	.3389	.3036	.2276	.2273
28 MED"LL MALLEOLUS HT	.0113	.2789	.0572	.0729	.0941	.0707	.1099	.1133	.2179	.4451	.4282	.4178	.4246	.4230	.3994
29 LAT"LL MALLEOLUS HT	-.0049	.1965	.0573	.0244	.0550	.0720	.0801	.1008	.1427	.4042	.3956	.3953	.4003	.4043	.4028
30 SPHYRION HEIGHT	-.0229	.1488	-.0144	.0218	-.0090	-.0272	.0310	.0679	.1722	.3537	.3160	.3325	.3252	.3129	.3133
31 SITTING HEIGHT	.0678	.4124	.0796	.0925	.1272	.0702	.1509	.1167	.2560	.7317	.6750	.6468	.6631	.6607	.6459
32 EYE HEIGHT SITTING	.0811	.3804	.0570	.0783	.1134	.0491	.1225	.1080	.2526	.7094	.6593	.6339	.6513	.6479	.6333
33 MID SHOULDER HT/S	.0972	.4332	.1114	.1390	.1563	.1268	.1835	.1274	.2293	.6825	.6689	.6770	.6985	.7015	.6930
34 ELBOW REST HT SIT	.1001	.1828	.0905	.1327	.1500	.1308	.1926	.0986	.0413	.1932	.1686	.2171	.3275	.4281	.4782
35 KNEE HEIGHT SIT	-.0306	.5244	.1426	.0888	.0697	.1043	.0771	.1158	.3544	.8728	.8895	.8757	.8202	.6937	.6083
36 POPLITEAL HT/SIT	-.0599	.2885	-.0384	-.0889	-.0530	-.0921	-.1145	.0190	.2869	.8296	.8481	.8303	.7661	.6338	.5411
37 BUTTOCK KNEE LENGTH	-.0174	.6622	.3229	.2600	.1916	.3045	.2715	.1636	.3341	.7656	.7894	.7916	.7394	.6351	.5591
38 BUTTOCK POP LENGTH	-.0190	.5855	.2881	.2323	.1590	.2720	.2386	.1352	.2960	.7064	.7327	.7315	.6794	.5762	.5052
39 SHOULDER-ELBOW LTH	.0100	.3872	.0439	.0213	.0082	.0172	.0137	.0652	.2823	.7941	.8069	.8167	.6787	.5468	.4529
40 ELBOW WRIST LENGTH	-.0029	.4061	.0753	.0348	.0430	.0348	.0044	.0729	.3540	.7234	.7424	.7283	.6459	.4662	.3448
41 FUNCTIONAL REACH	.0125	.3948	.0945	.0561	.0374	.0565	.0304	.0729	.3540	.7234	.7424	.7283	.6459	.4662	.3448
42 SLEEVE INSEAM	-.0432	.2053	.0634	.1144	-.1043	-.1268	-.1504	.0170	.2251	.7427	.7594	.7276	.6054	.4206	.3195
43 BIACROMIAL BREADTH	.0693	.4770	.2198	.1151	.1372	.1561	.1541	.1205	.3232	.4011	.4042	.3451	.3155	.2450	.1887
44 BIDELTOID BREADTH	.1486	.8153	.5670	.4708	.3694	.5387	.5315	.2811	.4146	.3210	.3227	.3143	.3003	.2646	.2267
45 CHEST BREADTH/SKIN	.1399	.8034	.5849	.4814	.3937	.6055	.6040	.2856	.3459	.2565	.2590	.2726	.2731	.2668	.2512

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 CHEST BREADTH/BONE	.1373	.6914	.4596	.3776	.3069	.4757	.4767	.2397	.3230	.2530	.2606	.3010	.3155	.3211	.2658
47 WAIST BROTH (OMP)	.1464	.8552	.6883	.5947	.4633	.7589	.7521	.3266	.2485	.2910	.3073	.3176	.3218	.3215	.3155
48 BI-ILIOCRISTALE	.1519	.8500	.6859	.5943	.4589	.7559	.7472	.3179	.2503	.2932	.3091	.3166	.3248	.3308	.3242
49 HIP BREADTH	.0970	.8525	.5881	.5926	.4210	.6395	.6313	.2880	.4143	.4205	.4205	.4280	.4275	.4095	.3951
50 HIP BREADTH SIT	.1084	.8753	.6497	.6312	.4659	.6987	.6890	.3167	.2379	.3604	.3632	.3689	.3733	.3572	.3613
51 BITROCHANTERC/BONE	.0834	.7485	.4595	.4384	.3188	.4986	.4870	.2436	.2850	.5325	.5339	.5377	.5327	.5150	.4806
52 ELBOW BREADTH	.0120	.5131	.2477	.1993	.1668	.2193	.2175	.1735	.3501	.3504	.3532	.3461	.3351	.2958	.2517
53 MAX F"ARM-F"ARM BR	.1471	.7015	.5234	.4821	.4036	.5592	.5557	.2765	.2959	.1280	.1324	.1326	.1459	.1505	.1590
54 WRIST BREADTH	.0090	.4250	.1374	.0747	.0818	.0979	.1052	.1515	.4059	.3961	.3746	.3571	.3422	.3122	.2308
55 KNEE BREADTH	.0193	.6505	.3032	.3290	.2743	.3041	.3087	.2205	.3500	.4816	.4646	.4582	.4478	.4197	.3771
56 KNEE-KNEE BR SIT	.0430	.7568	.5460	.5559	.3621	.5832	.5727	.3108	.2586	.2521	.2593	.2712	.2855	.2712	.2408
57 CHEST DEPTH	.1475	.8106	.6641	.5393	.4447	.6691	.6485	.3115	.3189	.1935	.2032	.2282	.2350	.2230	.1959
58 WAIST DEPTH (OMP)	.1220	.8446	.7253	.5860	.4596	.7574	.7354	.3148	.2436	.1931	.2022	.2109	.2088	.1915	.1820
59 ABDOMINAL DPTH/SIT	.1054	.8230	.6999	.5740	.4252	.7365	.6901	.2938	.2195	.2208	.2330	.2417	.2453	.2296	.2260
60 BUTTOCK DEPTH	.0877	.8739	.7111	.6354	.4742	.7312	.7052	.3390	.2668	.2177	.2330	.2444	.2605	.2506	.2350
61 THIGH CLEAR HT SIT	.0396	.8139	.5868	.5515	.4024	.5965	.5793	.2773	.2926	.2438	.2542	.2606	.2712	.2415	.2275
62 NECK CIRC MAXIMUM	.1552	.7655	.5888	.4369	.3957	.5491	.5445	.3060	.3824	.1661	.1647	.1682	.1792	.1837	.1593
63 SHOULDER CIRC	.1335	.8668	.6288	.4603	.3680	.5875	.5821	.2921	.4493	.3083	.3075	.3041	.2884	.2532	.2094
64 CHEST CIRCUMF"ENCE	.1330	.8614	.6475	.5272	.4335	.6529	.6438	.3147	.3804	.2458	.2474	.2734	.2787	.2732	.2395
65 WAIST CIRC (OMPH)	.1450	.8862	.7380	.6349	.4996	.7975	.7872	.3409	.2511	.2570	.2715	.2833	.2883	.2815	.2715
66 BUTTOCK CIRC	.0883	.9364	.6973	.6415	.4782	.7315	.7109	.3433	.3189	.3560	.3609	.3690	.3754	.3594	.3453
67 BUTTOCK CIRC/SIT	.1138	.9084	.6967	.6311	.4711	.7352	.7186	.3495	.2983	.3185	.3252	.3363	.3439	.3308	.3221
68 VERTICAL TRUNK CIRC	.1222	.8213	.4858	.4262	.3491	.4892	.5027	.2841	.3467	.6356	.6288	.6371	.6564	.6455	.6337
69 VERT TRUNK CIRC SIT	.1318	.7590	.4219	.3692	.3108	.4503	.4503	.2269	.3399	.6466	.6367	.6487	.6648	.6608	.6414
70 UPPER THIGH CIRC	.0751	.9119	.7014	.6764	.4913	.7273	.7202	.3485	.3160	.2037	.2154	.2243	.2399	.2221	.2172
71 THIGH CIRC SITTING	.0724	.9139	.7071	.6622	.4851	.7376	.7262	.3467	.3156	.2204	.2311	.2427	.2566	.2428	.2334
72 LOWER THIGH CIRC	.0382	.8714	.5962	.5776	.4138	.6159	.5922	.3106	.3360	.2460	.2485	.2545	.2654	.2435	.2295
73 KNEE CIRCUMFERENCE	.0207	.8753	.5685	.5114	.3527	.5569	.5568	.3254	.3731	.4715	.4682	.4727	.4674	.4333	.3989
74 KNEE CIRC SITTING	.0193	.8745	.5643	.5437	.3771	.5775	.5730	.3234	.3325	.4447	.4522	.4550	.4490	.4106	.3734
75 CALF CIRCUMFERENCE	.0587	.8609	.5770	.5477	.4016	.5724	.5737	.3258	.3595	.2716	.2686	.2671	.2727	.2535	.2384
76 ANKLE CIRCUMF"ENCE	.0186	.7368	.4091	.4221	.3148	.4100	.4248	.2882	.3434	.3968	.3930	.3989	.3945	.3777	.3453
77 SCYE CIRCUMFERENCE	.1547	.8386	.5699	.4562	.3901	.5635	.5550	.3128	.4595	.3590	.3625	.3794	.3493	.3133	.2689
78 BICEPS CIRC EXT	.1316	.8433	.6432	.5857	.4365	.6420	.6380	.3319	.4305	.1320	.1327	.1388	.1500	.1537	.1258
79 BICEPS CIRC FLEXED	.1251	.8085	.5965	.5200	.3898	.5841	.5885	.3041	.4549	.1335	.1292	.1335	.1502	.1462	.1104
80 ELBOW CIRC EXT	.0937	.8307	.5387	.4488	.3632	.5051	.4323	.3146	.5062	.3498	.3466	.3438	.3421	.3099	.2441
81 ELBOW CIRC FLEXED	.0782	.5688	.2733	.2355	.1992	.2368	.2552	.1983	.4727	.3695	.3660	.3633	.3452	.3033	.2276
82 FOREARM CIRC EXT	.1176	.8367	.5388	.4414	.3548	.5000	.4961	.3225	.5590	.2932	.2862	.2834	.2820	.2591	.1943
83 FOREARM CIRC FLEXED	.1266	.7725	.4754	.3874	.3285	.4377	.4473	.2847	.5592	.2488	.2425	.2407	.2403	.2205	.1614
84 WRIST CIRCUMF"ENCE	.0241	.6740	.3380	.2647	.2272	.2899	.2996	.2397	.4995	.4575	.4444	.4370	.4146	.3570	.2735
85 SL SPINE/SCYE	.1443	.5552	.3386	.3008	.2840	.3422	.3547	.1606	.3382	.2621	.2576	.2584	.2602	.2486	.2188
86 SL SPINE-ELBOW	.1107	.6145	.2583	.2120	.1807	.2280	.2258	.1523	.3954	.6985	.6989	.6883	.5737	.4662	.3946
87 SL SPINE-WRIST	.0712	.5905	.2138	.1452	.1292	.1594	.1621	.1461	.4231	.7687	.7763	.7530	.6554	.5145	.4176
88 ANTERIOR NECK LGTH	.0436	.1035	.2464	.2395	.1474	.2492	.2075	.1567	.0162	.3416	.3054	.2786	.2652	.2633	.2530
89 POSTERIOR NECK LTH	.0414	.0525	.0391	.1134	.0962	.0843	.0549	.0351	.4446	.2689	.1412	.1865	.1784	.1746	.1488
90 SHOULDER LENGTH	.0317	.1667	.0057	.0303	.0208	.0563	.0784	.0575	.1382	.3464	.3547	.2315	.2196	.1748	.1094

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91 DELTOID ARC	.0041	.2125	.0105	-.0692	-.0122	-.0448	-.0536	.0396	.2007	.5199	.5221	.5503	.4494	.3655	.3167
92 INTERSCYE	.0547	.5585	.3767	.2927	.2844	.3636	.3583	.1805	.2740	.2012	.2067	.1859	.1843	.1666	.1389
93 INTERSCYE MAXIMUM	.1155	.6594	.4164	.3385	.3022	.4414	.4394	.2260	.3651	.3119	.3032	.2997	.2755	.2813	.2473
94 WAIST FRONT	.0858	.5731	.3604	.2823	.2458	.3440	.3352	.1912	.2112	.4468	.4165	.4104	.4266	.4209	.4100
95 GROUCH LENGTH	.0801	.7800	.5483	.5163	.3754	.5885	.5900	.2936	.2985	.3806	.3732	.3796	.3995	.3879	.3918
96 WAIST BACK	.0742	.4325	.1692	.1430	.1538	.1873	.1873	.0904	.1677	.6130	.6465	.5829	.5907	.5869	.5709
97 FOOT LENGTH	-.0125	.4732	.1182	.0532	.0437	.0531	.0402	.0921	.4068	.6838	.6857	.6665	.6197	.5080	.3858
98 BALL-OF-FOOT LGTH	-.0299	.4503	.1255	.0656	.0274	.0734	.0540	.0862	.3696	.6076	.6095	.5986	.5555	.4550	.3492
99 BALL-OF-FOOT BROTH	.0221	.5584	.2500	.1796	.1507	.1986	.1974	.1831	.3746	.4359	.4321	.4128	.3941	.3414	.2715
100 BI-MALLEOLAR BROTH	.0096	.5085	.1540	.1470	.1283	.1127	.1252	.1526	.3621	.4995	.4902	.4723	.4521	.3947	.3289
101 BALL-OF-FOOT GIRTH	.0082	.6209	.2697	.1909	.1510	.2104	.2116	.2070	.4291	.5005	.4909	.4733	.4556	.4017	.3326
102 INSTEP CIRCUMF"NCE	.0172	.6395	.2867	.2208	.1636	.2323	.2081	.2101	.4125	.5364	.5372	.5234	.4973	.4234	.3482
103 HEEL-ANKLE CIRCUMF	-.0013	.6713	.2842	.1993	.1495	.2145	.1970	.1985	.4439	.6549	.6546	.6412	.6057	.5113	.4183
104 HAND LENGTH	.0015	.3530	.0402	-.0105	.0118	-.0295	-.0453	.0624	.3981	.6241	.6263	.6055	.5545	.4309	.2557
105 PALM LENGTH	.0160	.2950	.0368	-.0130	.0230	-.0162	-.0421	.0421	.3338	.5416	.5452	.5271	.4849	.3806	.2353
106 HAND BREADTH/META	.0566	.4846	.1625	.1247	.1533	.1289	.1431	.1850	.4567	.3738	.3664	.3478	.2945	.1978	.1978
107 HAND CIRC/META	.0647	.5386	.1827	.1322	.1368	.1335	.1450	.1959	.4932	.4418	.4267	.4172	.3913	.3344	.2387
108 HAND CIRC/THUMB	.0661	.6220	.2647	.1694	.1621	.1893	.2055	.2377	.5865	.4407	.4201	.4123	.3887	.3278	.2346
109 THICKNESS META/III	.0680	.3824	.1669	.1504	.1502	.1419	.1744	.1632	.3359	.2460	.2300	.2307	.2259	.2008	.1477
110 FINGER DIAM III	.0646	.4612	.1975	.0978	.0988	.1210	.1427	.2208	.4455	.3629	.3453	.3444	.3247	.2793	.1902
111 HEAD CIRCUMFERENCE	.0543	.4464	.2852	.2296	.1764	.2118	.2486	.1829	.2388	.2583	.2304	.2267	.2218	.1977	.1682
112 SAGITTAL ARC	.0352	.1758	.0643	.0815	.0407	.0075	.0533	.0747	.0765	.2484	.1920	.1937	.1943	.1674	.1765
113 MINIMUM FRONTL ARC	-.0019	.2149	.1059	.0701	.0220	.0828	.1057	.1101	.0949	.0992	.0711	.1014	.0891	.0435	.0669
114 BIT-CORONAL ARC	.0306	.3634	.2143	.2024	.1441	.1912	.2152	.1778	.1302	.2891	.2437	.2342	.2396	.2296	.2239
115 BIT-MIN FRONTAL A	.0754	.4772	.2600	.2380	.1878	.2222	.2509	.2058	.2467	.3211	.3056	.2972	.2907	.2595	.2107
116 BIT-SUBNASALE ARC	.0985	.5487	.3508	.2736	.2108	.2810	.2783	.1968	.3443	.2687	.2702	.2720	.2589	.2075	.1483
117 BIT-MENTON ARC	.1243	.5898	.3761	.2934	.2549	.3071	.3071	.1956	.3573	.3064	.3006	.3015	.2827	.2384	.1810
118 BIT-SUBMANDIB ARC	.1334	.6109	.4373	.3416	.2998	.3900	.3896	.2381	.3159	.2962	.2820	.2869	.2781	.2559	.2144
119 BIT-POSTERIOR ARC	.1089	.5727	.4587	.3293	.2789	.4077	.4161	.2166	.2599	.2028	.1882	.2059	.2110	.2203	.2118
120 HEAD LENGTH	.0491	.3083	.1541	.1136	.0979	.0689	.1131	.1125	.2103	.2620	.2371	.2281	.2223	.1927	.1513
121 MAX HEAD DIAG/MENT	.0564	.4631	.2489	.1793	.1600	.1527	.1765	.1372	.2949	.3869	.3433	.3339	.3209	.2709	.2180
122 MAX HEAD DIAG/MUCH	.1139	.5801	.3910	.3129	.2907	.3559	.3831	.2486	.2951	.3179	.2947	.2957	.2901	.2804	.2522
123 EAR LENGTH	.0664	.3090	.1832	.2129	.1857	.2076	.2269	.1314	.1084	.2336	.2216	.2193	.2179	.2098	.1996
124 EAR LGTH ABOVE TRG	.0387	.1545	.0740	.0865	.0801	.0775	.1020	.0569	.0932	.1497	.1427	.1360	.1317	.1304	.1116
125 EAR BREADTH	.0000	.1741	.0954	.0834	.0521	.0381	.0817	.0579	.0819	.1335	.1209	.1287	.1268	.1108	.0929
126 EAR PROTRUSION	.0076	.0779	.0282	.0570	.0549	.0420	.0790	.0795	.0166	.0700	.0594	.0535	.0591	.0710	.0623
127 HEAD BREADTH	.0494	.3467	.2527	.2267	.1865	.2485	.2587	.1516	.1404	.0875	.0753	.0804	.0838	.0916	.0924
128 AGE	-.0364	.2747	.1489	.1427	.1547	.1755	.2289	.1537	.1004	.1635	.1466	.1478	.1541	.1761	.1844
129 BITRAGON DIAMETER	.0650	.4129	.2825	.2200	.1972	.2774	.2791	.1523	.2089	.1740	.1722	.1843	.1770	.1743	.1633
130 BIZYGOMATIC DIAM	.1149	.5208	.3682	.3106	.2816	.3484	.3503	.2169	.2563	.1871	.1856	.1938	.1847	.1670	.1409
131 MAX FRONTAL DIAM	.0483	.4094	.2593	.2052	.1729	.2311	.2397	.1404	.2098	.2097	.2069	.2090	.2017	.1741	.1400
132 BIGONIAL DIAMETER	.0918	.4531	.2972	.2675	.2248	.2666	.2863	.1785	.2098	.2136	.2045	.2121	.2040	.1980	.1887
133 BIGONIAL DIAMETER	.0149	.3209	.2309	.0896	.0505	.1517	.1324	.0997	.2212	.1518	.1517	.1470	.1250	.0782	.0237
134 INTERPUPILLARY DST	.0465	.2230	.1405	.0348	.0139	.0713	.0518	.0323	.1795	.1376	.1398	.1368	.1116	.0591	.0024
135 INTEROCULAR DIAM	.0042	.1504	.0963	.0331	.0211	.0484	.0200	.0591	.1245	.0599	.0656	.0658	.0500	.0093	-.0391

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136 NASAL ROOT BREADTH	-.0143	.1371	.1132	.0289	-.0178	.0532	.0181	.0340	.1157	.0503	.0517	.0515	.0413	.0135	-.0220
137 NASAL BREADTH	-.0214	.1383	.1129	-.0474	-.0346	-.0067	-.0705	.0285	.2089	.0305	.0421	.0367	.0071	-.0730	-.1464
138 NOSE PROTRUSION	.0465	.1085	-.0083	.0076	.0038	.0011	.0432	.0119	.0817	.1885	.1459	.1586	.1566	.1691	.1699
139 PHILTRUM LENGTH	.0243	.1288	.0634	.0324	.0116	.0354	-.0022	.0619	.0709	.0573	.0597	.0531	.0563	.0391	.0198
140 LIP-LIP DISTANCE	-.0817	.0403	.0199	-.0341	-.0355	-.0921	-.1426	-.0821	.1389	.0730	.0805	.0669	.0313	-.0555	-.1180
141 LIP LENGTH	.0628	.1630	.0939	.0150	.0463	.0223	.0178	-.0045	.1573	.0599	.0600	.0637	.0518	.0064	-.0301
142 LIP LENGTH SMILING	.0335	.1850	.1153	.0511	.0555	.0552	.0708	.0423	.1441	.0812	.0730	.0749	.0711	.0394	.0253
143 MENTON-SUBNASAL L	-.0040	.1625	.0549	.0191	.0323	-.0141	-.0174	.0564	.1472	.1692	.1595	.1498	.1227	.0606	.0218
144 MENTON-NASAL RT DP	.0403	.2263	.0597	.0203	.0468	.0004	.0017	.0667	.1863	.2700	.2567	.2445	.2149	.1567	.1111
145 SUBNAS-NASAL RT DPTH	.0519	.1237	-.0072	-.0252	-.0214	-.0294	-.0057	.0195	.1044	.2290	.2154	.2103	.1938	.1779	.1515
146 VERTEX-GLABELLA HT	.0201	.0700	.0184	.0549	.0499	.0102	.0452	.0526	.0397	.0573	.0069	.0008	.0152	.0402	.0370
147 VERTEX-NASAL RT DP	.0019	.0819	.0131	.0322	.0366	-.0051	.0208	.0577	.0612	.0925	.0378	.0297	.0395	.0433	.0291
148 VERTEX-EXT CANT HT	.0139	.1505	.0576	.0754	.0694	.0439	.0715	.0790	.0561	.0742	.0167	.0060	.0155	.0312	.0212
149 VERTEX-PRONASALE H	.0344	.0398	-.0433	-.0137	.0123	-.0547	-.0138	.0437	.0549	.0860	.0302	.0204	.0287	.0421	.0304
150 VERTEX-STOMION HT	.0250	.1312	.0048	.0042	.0139	-.0493	-.0164	.0592	.1350	.1700	.1128	.0985	.0945	.0793	.0431
151 VERTEX-MENTON HT	.0276	.2031	.0424	.0349	.0490	-.0228	.0075	.0768	.1730	.2229	.1702	.1553	.1423	.1071	.0687
152 VERTEX-TRAGION HT	.0327	.2255	.1256	.1335	.1034	.1112	.1543	.1096	.0533	.2061	.1465	.1302	.1417	.1498	.1498
153 WALL-GLABELLA DIST	.0452	.3555	.1916	.1504	.1303	.1092	.1489	.1356	.2195	.2702	.2520	.2421	.2331	.2009	.1615
154 WALL-NASAL RT DEP OT	.0452	.3693	.1973	.1664	.1317	.1191	.1632	.1325	.2199	.2929	.2768	.2709	.2628	.2347	.1975
155 WALL-EX CANT DIST	.0351	.3168	.2030	.1385	.0959	.1065	.1408	.1157	.2162	.2340	.2198	.2121	.2023	.1658	.1288
156 WALL-PRONASALE DST	.0570	.4211	.2349	.1754	.1298	.1526	.1798	.1362	.2431	.3439	.3360	.3344	.3183	.2776	.2398
157 WALL-STOMION DIST	.0079	.4019	.2871	.1540	.1060	.1451	.1294	.1072	.2493	.2862	.2926	.2859	.2610	.1903	.1401
158 WALL-MENTON DIST	.0760	.4960	.3635	.2562	.1997	.3013	.2361	.1467	.2312	.3115	.3262	.3257	.3113	.2778	.2502
159 WALL-TRAGION DIST	.0048	.2167	.1520	.0912	.0546	.0732	.1048	.0592	.1305	.2018	.1931	.1899	.1836	.1531	.1401
169 WEIGHT REPORTED	.1054	.9826	.6691	.5763	.4478	.6667	.6452	.3540	.4191	.4771	.4813	.4848	.4815	.4384	.4033
170 STATURE REPORTED	.0158	.4874	.0890	.0558	.0710	.0596	.0753	.0839	.3371	.9440	.9329	.9132	.8773	.7934	.7301

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-0060	-0384	-0389	-0346	-0484	-0582	-0661	-0639	-0185	-0341	-0473	-0008	.0113	-0049	-0229
2 WEIGHT	.4807	.3683	.3445	.3956	.3547	.3466	.3122	.3039	.3698	.3641	.3256	.1361	.2789	.1965	.1488
3 SKF SUBSCAPULAR	.0814	-0105	-0200	.0396	.0152	.0323	-0128	-0096	.0371	.0484	.0521	-0056	.0572	.0573	-0144
4 SKF TRICEPS	.0473	-0308	-0390	.0181	-0125	-0274	.0539	-0657	-0176	-0274	.0260	-0572	.0729	.0244	-0218
5 SKF JUXTA NIPPLE	.0480	-0207	.0335	.0132	-0127	-0275	.0483	-0503	-0104	-0288	.0133	-0817	.0941	.0550	-0090
6 SKF MAL XIPHOID	.0495	-0455	-0515	.0146	-0205	-0058	-0499	-0483	.0000	.0069	.0075	-0413	.0707	.0720	-0272
7 SKF SUPRA ILIAC	.0542	-0357	-0529	.0332	-0396	-0470	-0801	-0786	-0279	-0201	-0270	-0332	.1099	.0801	.0310
8 SKF DORSAL HAND	.0874	.0422	.0261	.0729	.0461	.0128	.0180	.0162	.0462	.0479	.0182	.0296	.1133	.1008	.0679
9 GRIP STRENGTH	.3316	.2683	.2932	.2952	.2687	.2554	.2641	.2573	.2920	.2922	.2440	.1693	.2179	.1427	.1722
10 HEIGHT (STATURE)	.9726	.9437	.9078	.8865	.8552	.8378	.8574	.8493	.8454	.8276	.7161	.3314	.4451	.4042	.3537
11 CERVICALE HEIGHT	.9714	.9426	.9190	.8977	.8692	.8611	.8767	.8724	.8641	.8448	.7438	.3191	.4282	.3956	.3160
12 SHOULDER(ACROM) HT	.9645	.9493	.9087	.8986	.8655	.8471	.8618	.8618	.8521	.8371	.7270	.3389	.4178	.3953	.3325
13 ELBOW (RADIALE) HT	.9280	.9139	.8580	.8395	.7995	.7900	.7938	.7973	.7965	.7835	.6903	.3036	.4246	.4003	.3252
14 WRIST (STYLION) HT	.8330	.8219	.7507	.7192	.6706	.6720	.6555	.6707	.6738	.6643	.5872	.2276	.4230	.4043	.3129
15 DACTYLION HEIGHT	.7495	.7345	.6683	.6370	.6020	.5855	.5901	.5865	.5938	.5889	.5024	.2273	.3994	.4028	.3133
16 SUPRASTERNALE HT	.9693	.9291	.9158	.8851	.8744	.8802	.8866	.8866	.8693	.8555	.7474	.3382	.4026	.3775	.3212
17 CHEST (NIPPLE) HT	.9320	.9320	.9320	.9146	.8869	.8792	.8889	.8996	.8667	.8553	.7493	.3439	.3807	.3768	.3232
18 WAIST HEIGHT (OMP)	.9291	.9320	.9320	.9382	.9159	.9018	.9292	.9294	.8956	.8852	.7764	.3457	.3447	.3656	.2949
19 ILIOCRISTALE	.9158	.9146	.9382	.9300	.9300	.9061	.9345	.9389	.9008	.8946	.7595	.4219	.3389	.3525	.3233
20 TROCHANTERIC HT	.8851	.8869	.9159	.9300	.9300	.9061	.9345	.9389	.9008	.8946	.7595	.4219	.3389	.3525	.3233
21 BUTTOCK HEIGHT	.8744	.8792	.9018	.8927	.9061	.9061	.9446	.9629	.8976	.8844	.8125	.2813	.2929	.3315	.2928
22 CROTCH HEIGHT	.8802	.8889	.9292	.9192	.9345	.9446	.9629	.9708	.9220	.9127	.7947	.3397	.2710	.3292	.2291
23 GLUTEAL FURROW HT	.8866	.8996	.9294	.9274	.9308	.9329	.9708	.9220	.9201	.9127	.7947	.3397	.2710	.3292	.2291
24 PATELLA TOP HEIGHT	.8693	.8667	.8956	.8915	.9008	.8976	.9220	.9201	.9201	.9127	.7947	.3397	.2710	.3292	.2291
25 PATELLA BOTTOM HT	.8555	.8553	.8852	.8835	.8946	.8844	.9117	.9127	.9127	.9127	.7947	.3397	.2710	.3292	.2291
26 CALF HEIGHT	.7474	.7493	.7764	.7441	.7595	.8125	.7947	.8059	.7947	.7947	.7833	.3693	.3068	.3977	.2798
27 ANKLE HEIGHT	.3382	.3439	.3457	.4219	.4212	.2813	.3397	.3559	.3576	.3693	.2025	.2025	.2008	.2157	.3650
28 MED" L MALLEOLUS HT	.4026	.3807	.3447	.3369	.2929	.2544	.2710	.2657	.3272	.3068	.2739	.2008	.6446	.6446	.7154
29 LAT" L MALLEOLUS HT	.3775	.3768	.3656	.3525	.3315	.3131	.3292	.3288	.3974	.3977	.3390	.2157	.6446	.6446	.7154
30 SPHYRIUM HEIGHT	.3212	.3232	.2949	.3233	.2928	.1886	.2291	.2331	.2705	.2798	.1677	.3650	.7154	.5132	.5132
31 SITTING HEIGHT	.6438	.5879	.4756	.4462	.3717	.3260	.3320	.3202	.3754	.3514	.2846	.1770	.4842	.3392	.3753
32 EYE HEIGHT SITTING	.6294	.5768	.4627	.4362	.3593	.3176	.3222	.3135	.3618	.3375	.2731	.1776	.4782	.3232	.3649
33 MID SHOULDER HT/S	.6219	.5723	.4602	.4370	.3658	.3276	.3301	.3185	.3685	.3438	.2888	.1745	.4586	.3143	.3282
34 ELBOW REST HT SIT	.1265	.0968	-0328	-0575	-1251	-1584	-1671	-1764	-1055	-1168	-1162	-0073	.2903	.1629	.1954
35 KNEE HEIGHT SIT	.8942	.8709	.8917	.8985	.9003	.8967	.9105	.9104	.9261	.9146	.7911	.3701	.3821	.3876	.2957
36 POPLITEAL HT/SIT	.8533	.8614	.8877	.8820	.8910	.8949	.9203	.9235	.9119	.9038	.7874	.3671	.3222	.3570	.2719
37 BUTTOCK KNEE LENGTH	.8128	.7721	.7946	.8253	.8088	.8238	.8082	.8096	.7599	.7511	.6880	.2701	.2173	.2281	.1569
38 BUTTOCK POP LENGTH	.7567	.7222	.7476	.7817	.7725	.7904	.7849	.7804	.7263	.7205	.6393	.2473	.1644	.1909	.1169
39 SHOULDER-ELBOW LTH	.8081	.7964	.7994	.8435	.7963	.7692	.7864	.7916	.7607	.7417	.6349	.3157	.3085	.2785	.2578
40 ELBOW WRIST LENGTH	.7533	.7367	.7548	.7780	.7783	.7751	.7927	.7877	.7691	.7443	.6821	.3170	.2003	.1660	.1487
41 FUNCTIONAL REACH	.6904	.6633	.6913	.6922	.6832	.6773	.6956	.6929	.6830	.6542	.5942	.2651	.2250	.2067	.1563
42 SLEEVE INSEAM	.7637	.7726	.8002	.8012	.8071	.7988	.8288	.8297	.7826	.7738	.6779	.3157	.1927	.2199	.1832
43 BIACROMIAL BREADTH	.4021	.3482	.3446	.3411	.3223	.3317	.2877	.3040	.3399	.3328	.3142	.1261	.2108	.1521	.1491
44 BICEPTOID BREADTH	.3203	.2271	.2156	.2438	.2124	.2114	.1737	.1734	.2431	.2301	.2090	.0864	.2135	.1145	.1093
45 CHEST BREADTH/SKIN	.2420	.1392	.1440	.1762	.1496	.1371	.1288	.1030	.1862	.1779	.1452	.0316	.1709	.1068	.0664

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 CHEST BREADTH/BONE	.2797	.2022	.1803	.2194	.1700	.1498	.0935	.1227	.1761	.1705	.1656	.0541	.1819	.1004	.0938
47 WAIST BROTH (OMP)	.2860	.1696	.1475	.2255	.1810	.1786	.1403	.1322	.2039	.1994	.1634	.0514	.2285	.1590	.0966
48 BI-ILIOCRISTALE	.2855	.1686	.1482	.2067	.1646	.1709	.1310	.1216	.1932	.1873	.1660	.0152	.2357	.1651	.0837
49 HIP BREADTH	.4068	.3044	.2750	.3244	.2696	.2591	.2292	.2064	.2791	.2699	.2437	.0684	.3066	.1930	.1767
50 HIP BREADTH SIT	.3477	.2365	.2095	.2652	.2201	.2026	.1811	.1478	.2281	.2204	.1948	.0461	.2792	.1778	.1406
51 BITROCHANTER/BONE	.5244	.4378	.4371	.3640	.3668	.3249	.3183	.3684	.3540	.3540	.3141	.1172	.3978	.2721	.2798
52 ELBOW BREADTH	.3577	.2956	.2892	.2970	.2751	.2716	.2677	.2522	.2950	.2719	.2334	.1520	.2394	.1480	.1635
53 MAX F*ARM-F*ARM BR	.1046	.0087	.0136	.0413	.0375	.0327	.0314	.0036	.0726	.0508	.0429	.0007	.1411	.0415	.0137
54 WRIST BREADTH	.3885	.3451	.3280	.3229	.2970	.2968	.2837	.2739	.3270	.3113	.2853	.1855	.3343	.2377	.2717
55 KNEE BREADTH	.4671	.3890	.3674	.3899	.3513	.3224	.3195	.2986	.3703	.3296	.3026	.1674	.4170	.2503	.2899
56 KNEE-KNEE BR SIT	.2795	.1943	.1654	.2215	.1831	.1703	.1176	.1240	.1643	.1610	.1973	.0635	.2438	.1101	.1179
57 CHEST DEPTH	.2102	.1108	.1007	.1691	.1303	.1134	.0721	.0841	.1466	.1404	.1317	.0360	.1501	.0903	.0412
58 WAIST DEPTH (OMP)	.2101	.1058	.0825	.1580	.1325	.1334	.0932	.0874	.1475	.1497	.1419	.0561	.1271	.0724	.0324
59 ABDOMINAL DPTH/SIT	.2376	.1337	.1054	.1765	.1434	.1580	.1083	.1074	.1543	.1604	.1500	.0590	.1414	.0821	.0411
60 BUTTOCK DEPTH	.2483	.1453	.1151	.1846	.1533	.1755	.0934	.1006	.1626	.1648	.1750	.0428	.1361	.0789	.0212
61 THIGH CLEAR HT SIT	.2612	.1757	.1689	.2155	.1932	.2007	.1587	.1528	.2150	.2115	.2067	.0528	.1232	.0697	.0097
62 NECK CIRC MAXIMUM	.1602	.0645	.0543	.0951	.0702	.0705	.0254	.0279	.1006	.0972	.0975	.0593	.1573	.0823	.0695
63 SHOULDER CIRC	.3173	.2188	.2126	.2495	.2162	.2099	.1746	.1765	.2446	.2427	.2171	.1006	.2007	.1340	.1164
64 CHEST CIRCUMF*ENCE	.2554	.1618	.1426	.1960	.1612	.1484	.1190	.1159	.1874	.1790	.1608	.0443	.1632	.1045	.0589
65 WAIST CIRC (OMPH)	.2622	.1450	.1173	.2025	.1616	.1595	.1167	.1119	.1816	.1761	.1519	.0519	.1948	.1207	.0658
66 BUTTOCK CIRC	.3588	.2482	.2195	.2764	.2282	.2196	.1805	.1665	.2373	.2338	.2152	.0702	.2557	.1647	.1267
67 BUTTOCK CIRC/SIT	.3231	.2152	.1834	.2489	.1977	.1944	.1558	.1393	.2082	.2066	.1908	.0533	.2364	.1629	.1165
68 VERTICAL TRUNK CIRC	.6078	.5107	.4200	.4251	.3683	.3367	.3153	.2989	.3804	.3668	.3230	.1600	.3877	.2720	.2488
69 VERT TRUNK CIRC SIT	.6132	.5247	.4308	.4334	.3744	.3431	.3229	.3093	.3897	.3728	.3234	.1578	.4114	.2874	.2752
70 UPPER THIGH CIRC	.2226	.1180	.1009	.1604	.1263	.1271	.0843	.0770	.1452	.1473	.1494	.0271	.1337	.0751	.0176
71 THIGH CIRC SITTING	.2395	.1340	.1164	.1782	.1439	.1437	.1035	.0909	.1531	.1559	.1608	.0411	.1434	.0836	.0308
72 LOWER THIGH CIRC	.2616	.1607	.1516	.2019	.1800	.1559	.1272	.1155	.2030	.1923	.1562	.1115	.1709	.0941	.0759
73 KNEE CIRCUMFERENCE	.4797	.3871	.3708	.4107	.3742	.3668	.3400	.3263	.3999	.3941	.3527	.1571	.3140	.2543	.2061
74 KNEE CIRC SITTING	.4588	.3654	.3544	.4018	.3722	.3622	.3357	.3194	.3886	.3727	.3428	.1452	.2751	.1927	.1427
75 CALF CIRCUMFERENCE	.2734	.1768	.1598	.2025	.1649	.1506	.1248	.1137	.1908	.1930	.1359	.0409	.2308	.1404	.1106
76 ANKLE CIRCUMF*ENCE	.3916	.3098	.2874	.3121	.2743	.2640	.2456	.2286	.3064	.2951	.2109	.0108	.3422	.2064	.1983
77 SCYE CIRCUMFERENCE	.3532	.2580	.2485	.2911	.2537	.2431	.2172	.2084	.2785	.2643	.2270	.1151	.2454	.1599	.1294
78 BICEPS CIRC EXT	.1460	.0395	.0298	.0745	.0439	.0497	.0107	.0050	.0727	.0731	.0789	.0060	.1196	.0425	.0132
79 BICEPS CIRC FLEXED	.1470	.0438	.0403	.0801	.0487	.0521	.0164	.0118	.0787	.0801	.0861	.0192	.1150	.0358	.0276
80 ELBOW CIRC EXT	.3649	.2636	.2553	.2860	.2590	.2649	.2304	.2233	.2931	.2779	.2591	.1252	.2779	.1681	.1610
81 ELBOW CIRC FLEXED	.3772	.3143	.3118	.3249	.3064	.2963	.2833	.2741	.3244	.3054	.2739	.1387	.2154	.1261	.1302
82 FOREARM CIRC EXT	.3055	.2065	.1982	.2307	.2021	.2015	.1710	.1640	.2341	.2257	.2144	.0952	.2284	.1257	.1221
83 FOREARM CIRC FLEXED	.2588	.1678	.1591	.1836	.1588	.1541	.1272	.1205	.1930	.1847	.1671	.0777	.1931	.0831	.0931
84 WRIST CIRCUMF*ENCE	.4652	.3915	.3734	.4051	.3660	.3495	.3354	.3270	.3951	.3739	.3194	.1845	.3434	.2277	.2521
85 SL SPINE/SCYE	.2590	.1937	.1775	.1984	.1595	.1487	.1364	.1289	.1799	.1615	.1467	.0630	.1789	.0882	.0953
86 SL SPINE-ELBOW	.6902	.6260	.6282	.6414	.6030	.5827	.5915	.5849	.6039	.5824	.4998	.2244	.3334	.2432	.2270
87 SL SPINE-WRIST	.7791	.7295	.7389	.7601	.7328	.7099	.7248	.7213	.7259	.7094	.6031	.3205	.3103	.2540	.2410
88 ANTERIOR NECK LGTH	.2361	.2711	.2731	.2176	.2057	.1970	.2300	.2107	.2096	.2002	.1924	.0236	.1860	.1654	.1539
89 POSTERIOR NECK LGTH	.2292	.2336	.1957	.1639	.1364	.1517	.1497	.1390	.1428	.1657	.1441	.0047	.1264	.1727	.1766
90 SHOULDER LENGTH	.3176	.2820	.2855	.1955	.1912	.3105	.2581	.2503	.2715	.2443	.3568	.2377	.1623	.1315	.0608

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91 DELTOID ARC	.5227	.5309	.5189	.5448	.5190	.4658	.5111	.5041	.4926	.4720	.3638	.2773	.2406	.1904	.2564
92 INTERSCYE	.1954	.1192	.1049	.1532	.1269	.1277	.1049	.1047	.1589	.1416	.1559	.0228	.1330	.0896	.0466
93 INTERSCYE MAXIMUM	.3013	.2203	.2131	.2428	.1968	.1794	.1595	.1618	.2258	.2110	.1723	.1228	.2212	.1724	.1536
94 WAIST FRONT	.4583	.3695	.1687	.2303	.2128	.2242	.1744	.1805	.2285	.2190	.1825	.0995	.2434	.1547	.1486
95 CROTCH LENGTH	.3795	.2895	.2840	.2837	.2168	.1826	.1596	.1418	.2254	.2240	.1858	.1203	.2580	.1898	.1664
96 WAIST BACK	.5526	.4838	.3886	.3799	.3416	.3142	.3203	.3112	.3596	.3443	.3099	.1120	.3954	.2884	.2512
97 FOOT LENGTH	.6974	.6713	.6756	.6865	.6726	.6598	.6706	.6581	.6757	.6598	.5726	.3238	.2329	.1757	.2070
98 BALL-OF-FOOT LENGTH	.6266	.5996	.5121	.6224	.6129	.6101	.6140	.6015	.6148	.6066	.5236	.2848	.1351	.1135	.1299
99 BALL-OF-FOOT BROTH	.4387	.3898	.3759	.3908	.3723	.3614	.3569	.3389	.3301	.3799	.3116	.1799	.2695	.1867	.1841
100 BI-MALLEOLAR BROTH	.4942	.4417	.4213	.4237	.3936	.3768	.3812	.3620	.4219	.3921	.3214	.1944	.2976	.0891	.1700
101 BALL-OF-FOOT GIRTH	.4998	.4448	.4341	.4445	.4235	.4080	.3995	.3845	.4429	.4453	.3684	.2243	.3422	.2574	.2643
102 INSTEP CIRCUMF**NCE	.5514	.4975	.4907	.5078	.5004	.4855	.4748	.4676	.5226	.5053	.4381	.2572	.3564	.2481	.2731
103 HEEL-ANKLE CIRCUMF	.6730	.6186	.6147	.6337	.6162	.6061	.6006	.5901	.6455	.6309	.5327	.3019	.3575	.2748	.2763
104 HAND LENGTH	.6404	.6304	.5322	.6286	.6286	.6252	.6299	.6308	.6366	.6186	.5588	.2769	.2537	.2264	.2021
105 PALM LENGTH	.5571	.5472	.5525	.5496	.5416	.5467	.5494	.5496	.5533	.5347	.4860	.2057	.2293	.2114	.1722
106 HAND BREADTH/META	.3911	.3456	.3291	.3418	.3230	.3101	.2968	.2874	.3446	.3263	.2738	.1579	.2543	.1756	.2013
107 HAND CIRC/META	.4453	.3913	.3796	.3959	.3706	.3556	.3458	.3359	.3938	.3714	.3071	.2102	.2692	.1751	.2254
108 HAND CIRC/THUMB	.4430	.3801	.3734	.3805	.3590	.3471	.3399	.3279	.3889	.3772	.3220	.2074	.2821	.1806	.2233
109 THICKNESS META/III	.2409	.2065	.1846	.1987	.1751	.1580	.1517	.1448	.2013	.1868	.1509	.1094	.2225	.1610	.1733
110 FINGER DIAM III	.3653	.3255	.3034	.3120	.2922	.2767	.2713	.2608	.3106	.2973	.2466	.1896	.2854	.2019	.2425
111 HEAD CIRCUMFERENCE	.2398	.1973	.1823	.1993	.1921	.1703	.1597	.1530	.1954	.1919	.1869	.0760	.1297	.0933	.0972
112 SAGITTAL ARC	.2036	.1873	.1722	.1873	.1889	.1175	.1397	.1368	.1517	.1398	.0957	.2073	.1370	.0607	.1650
113 MINIMUM FRONTL ARC	.0971	.0836	.0732	.1540	.1623	.0158	.0614	.0664	.0936	.0987	.0648	.4293	.0549	.0159	.2343
114 BIT-CORONAL ARC	.2340	.1868	.1801	.1813	.1642	.1431	.1373	.1280	.1628	.1443	.0502	.1656	.1656	.1241	.1257
115 BIT-MIN FRONTAL A	.3032	.2525	.2331	.2550	.2383	.2189	.2084	.1992	.2444	.2348	.2051	.1049	.1849	.1256	.1357
116 BIT-SUBNASAL ARC	.2890	.2360	.2229	.2571	.2456	.2358	.2206	.2123	.2360	.2535	.2252	.1345	.1305	.0781	.0868
117 BIT-MENTON ARC	.3118	.2543	.2351	.2635	.2509	.2355	.2201	.2110	.2395	.2450	.2348	.1422	.1753	.0984	.1094
118 BIT-SUBMANDIB ARC	.2881	.2128	.1908	.2249	.2032	.1823	.1649	.1560	.2214	.2122	.1841	.1121	.1942	.1257	.1160
119 BIT-POSTERIOR ARC	.1874	.1277	.1021	.1187	.0981	.1034	.0626	.0713	.1299	.1339	.1390	.0599	.1825	.1405	.1160
120 HEAD LENGTH	.2500	.2291	.2163	.2197	.2121	.1971	.1359	.1892	.2142	.2056	.2067	.0806	.1360	.0882	.1114
121 MAX HEAD DIAG/MENT	.3553	.3156	.3026	.3038	.3009	.2880	.2734	.2677	.2964	.2868	.2903	.1362	.1965	.1364	.1535
122 MAX HEAD DIAG/NUCH	.2933	.2369	.2085	.2379	.2059	.1910	.1779	.1670	.2225	.2167	.2032	.0800	.2149	.1674	.1399
123 EAR LENGTH	.2027	.1627	.1273	.1473	.1189	.0918	.0860	.0757	.1195	.1077	.0885	.0388	.2235	.1353	.1513
124 EAR LGTH ABOVE TRG	.1214	.1061	.0766	.0809	.0629	.0462	.0528	.0393	.0746	.0621	.0391	.0375	.1574	.0781	.0935
125 EAR BREADTH	.1229	.1185	.0994	.1066	.1023	.0970	.0931	.0875	.1129	.1152	.1029	.0384	.0995	.0796	.0717
126 EAR PROTRUSION	.0506	.0365	.0202	.0182	.0079	.0156	.0173	.0237	.0158	.0142	.0127	.0099	.1334	.0737	.0372
127 HEAD BREADTH	.0705	.0208	.0157	.0344	.0197	.0056	.0116	.0125	.0267	.0237	.0161	.0208	.0644	.0349	.0283
128 AGE	.1228	.0780	.0482	.0605	.0175	.0185	.0176	.0270	.0363	.0292	.0096	.0324	.2477	.1418	.1802
129 BITRAGON DIAMETER	.1652	.1199	.1053	.1312	.1179	.0955	.0819	.0822	.1249	.1257	.1038	.0940	.1542	.1231	.1149
130 BIZYGOMATIC DIAM	.1838	.1196	.1052	.1412	.1216	.1015	.0816	.0807	.1303	.1266	.1007	.0849	.1330	.0786	.0779
131 MAX FRONTAL DIAM	.2074	.1602	.1450	.1776	.1686	.1315	.1429	.1393	.1787	.1735	.1549	.0879	.0854	.0670	.0569
132 BIGONIAL DIAMETER	.1952	.1398	.1273	.1566	.1290	.1071	.1045	.0931	.1383	.1318	.1127	.0623	.1647	.0838	.1132
133 BIOCLAR DIAMETER	.1800	.1487	.1718	.1773	.1949	.2003	.1935	.1877	.2043	.2325	.2009	.1037	.0337	.0241	.0093
134 INTERPUPILLARY DST	.1619	.1437	.1624	.1733	.1932	.2000	.1893	.1912	.1896	.2013	.1847	.1082	.0477	.0087	.0102
135 INTEROCULAR DIAM	.0850	.0712	.0913	.0999	.1185	.1222	.1152	.1155	.1250	.1338	.1178	.0591	.0678	.0348	.0497

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
136 NASAL ROOT BREADTH	.0769	.0644	.0905	.0870	.1122	.1236	.1086	.1139	.1174	.1397	.1232	.0526	-.0527	.0154	-.0248
137 NASAL BREADTH	.0893	.0954	.1304	.1339	.1733	.2168	.2018	.2065	.1855	.1987	.2129	.0905	-.1846	-.1187	-.1364
138 NOSE PROTRUSION	.1316	.1212	.0994	.0941	.0733	.0396	.0484	.0442	.0800	.0860	.0277	.0831	.1544	.1355	.1512
139 PHILTRUM LENGTH	.0631	.0473	.0503	.0491	.0712	.0705	.0574	.0595	.0726	.0725	.0794	.0486	-.0280	-.0162	-.0154
140 LIP-LIP DISTANCE	.1279	.1428	.1797	.1746	.2355	.2657	.2503	.2610	.2210	.2325	.2307	.0971	-.2023	-.1103	-.1225
141 LIP LENGTH	.0815	.0660	.0773	.0870	.0937	.1052	.1016	.0967	.1066	.0998	.0944	.0632	-.0559	-.0544	-.0654
142 LIP LENGTH SMILING	.0911	.0743	.0638	.0702	.0761	.0923	.0761	.0732	.0938	.0879	.0790	.0518	-.0075	-.0137	-.0249
143 MENTON-SUBNASALE L	.1749	.1658	.1690	.1885	.2042	.1825	.1844	.1916	.1954	.1818	.1535	.1611	.0033	.0223	.0316
144 MENTON-NASAL RT DP	.2584	.2384	.2356	.2418	.2482	.2235	.2246	.2268	.2479	.2334	.1954	.1814	.0933	.0452	.0962
145 SUBNAS-NAS RT DPTH	.2061	.1977	.1838	.1697	.1568	.1449	.1513	.1446	.1730	.1716	.1329	.0945	.1556	.1121	.1351
146 VERTEX-GLABELLA HT	.0157	.0098	-.0018	-.0303	-.3225	-.4410	-.0462	-.0553	-.0318	-.0324	.0011	-.0461	.0865	.0426	.0426
147 VERTEX-NASAL RT DP	.0549	.0507	.0373	.0235	.0230	.0042	.0082	-.0017	.0212	.0169	.0260	.0289	.0760	.0345	.0658
148 VERTEX-EXT CANT HT	.0255	.0067	-.0007	-.0107	-.0126	-.0336	-.0393	-.0468	-.0133	-.0159	-.0041	.0189	.0893	.0368	.0703
149 VERTEX-PRONASALE H	.0376	.0351	.0165	-.0025	-.0062	-.0344	-.0289	-.0376	-.0064	-.0101	-.0042	.0364	.1216	.0523	.1086
150 VERTEX-STOMION HT	.1302	.1213	.1091	.0917	.0994	.0770	.0777	.0701	.0997	.0967	.0932	.0808	.0969	.0372	.0900
151 VERTEX-MENTON HT	.1866	.1710	.1590	.1562	.1600	.1267	.1296	.1268	.1565	.1443	.1332	.1424	.1078	.0401	.1129
152 VERTEX-TRAGION HT	.1361	.1018	.0937	.0844	.0682	.0385	.0374	.0309	.0700	.0650	.0571	.0218	.1567	.0935	.1166
153 WALL-GLABELLA DIST	.2604	.2315	.2222	.2283	.2246	.2080	.2053	.1971	.2249	.2142	.2184	.0848	.1480	.0845	.1057
154 WALL-NAS RT DEP DT	.2804	.2513	.2407	.2473	.2384	.2218	.2183	.2100	.2396	.2296	.2297	.0855	.1726	.1192	.1242
155 WALL-EX CANT DIST	.2371	.2121	.2144	.2221	.2228	.2158	.2102	.2108	.2218	.2233	.2277	.0928	.0745	.0695	.0613
156 WALL-PRONASALE DST	.3348	.2988	.2907	.3060	.2931	.2778	.2749	.2669	.2997	.2929	.2704	.1220	.1789	.1373	.1305
157 WALL-STOMION DIST	.3080	.2784	.2930	.3083	.3234	.3338	.3186	.3194	.3233	.3173	.3189	.1235	.0479	.0530	.0232
158 WALL-MENTON DIST	.3099	.2574	.2640	.2847	.2666	.2731	.2618	.2527	.2741	.2670	.2711	.0592	.1550	.1448	.0716
159 WALL-TRAGION DIST	.2011	.1863	.1924	.1907	.1879	.1857	.1836	.1881	.1863	.1869	.1981	.0588	.0534	.0430	.0360
169 WEIGHT REPORTED	.4844	.3728	.3480	.3991	.3607	.3503	.3172	.3096	.3713	.3649	.3292	.1396	.2754	.1929	.1433
170 STATURE REPORTED	.9238	.8931	.8638	.8446	.8154	.7934	.8136	.8060	.8075	.7936	.6873	.3210	.4392	.3966	.3445

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 AGE	.0678	.0811	.0972	.1001	-.0306	-.0599	-.0174	-.0190	.0100	-.0029	.0125	-.0432	.0693	.1486	.1399
2 WEIGHT	.4124	.3804	.4332	.1828	.5244	.2885	.6622	.5855	.3872	.4061	.3948	.2053	.4770	.8153	.8034
3 SKF SUBSCAPULAR	.0796	.0570	.1114	.0905	.1426	-.0384	.3229	.2881	.0439	.0753	.0945	-.0634	.2198	.5670	.5849
4 SKF TRICEPS	.0925	.0783	.1390	.1327	.0888	-.0889	.2600	.2323	.0213	.0348	.0561	-.1144	.1151	.4308	.4814
5 SKF JUXTA NIPPLE	.1272	.1134	.1563	.1500	.0697	-.0530	.1916	.1590	.0082	.0430	.0374	.1043	.1372	.3694	.3937
6 SKF MAL XIPHOID	.0702	.0491	.1268	.1308	.1043	-.0921	.3045	.2720	.0172	.0348	.0565	-.1268	.1561	.5387	.6055
7 SKF SUPRA ILIAC	.1509	.1225	.1835	.1926	.0771	.1145	.2715	.2386	.0137	.0044	.0304	-.1504	.1541	.5315	.6040
8 SKF DORSAL HAND	.1167	.1080	.1234	.0986	.1158	.0190	.1636	.1352	.0652	.0729	.0750	-.0170	.1205	.2811	.2856
9 GRIP STRENGTH	.2560	.2526	.2293	.0413	.3544	.2869	.3341	.2960	.2823	.3540	.3110	.2251	.3232	.4146	.3459
10 HEIGHT (STATURE)	.7317	.7094	.6825	.1932	.8728	.8296	.7656	.7064	.7941	.7234	.6761	.7427	.4011	.3210	.2565
11 CERVICALE HEIGHT	.6750	.6593	.6689	.1686	.8895	.8481	.7894	.7327	.8069	.7424	.6921	.7594	.4042	.3227	.2590
12 SHOULDER (ACROMI) HT	.6468	.6339	.6770	.2171	.8757	.8303	.7916	.7315	.8167	.7283	.6666	.7276	.3451	.3143	.2726
13 ELBOW (RADIALE) HT	.6631	.6513	.6985	.3275	.8202	.7661	.7394	.6794	.6787	.6459	.5771	.6054	.3155	.3003	.2731
14 WRIST (STYLION) HT	.6607	.6479	.7015	.4281	.6937	.6338	.6351	.5762	.5468	.4662	.4370	.4206	.2450	.2646	.2668
15 DACTYLION HEIGHT	.6459	.6333	.6930	.4782	.6083	.5411	.5591	.5052	.4529	.3448	.3315	.3195	.1887	.2267	.2512
16 SUPRASTERNAL HT	.6438	.6294	.6219	.1265	.8942	.8533	.8128	.7567	.7364	.7367	.6633	.7726	.3482	.2271	.1392
17 CHEST (NIPPLE) HT	.5879	.5768	.5723	.0968	.8709	.8614	.7721	.7222	.7946	.7476	.7994	.8002	.3446	.2156	.1440
18 WAIST HEIGHT (OMP)	.4756	.4627	.4602	-.0328	.8917	.8877	.7946	.7476	.7946	.7476	.7994	.8002	.3446	.2156	.1440
19 ILIOCRISTALE	.4462	.4362	.4370	-.0575	.8985	.8920	.8253	.7817	.8135	.7780	.6922	.8012	.3411	.2438	.1762
20 TROCHANTERIC HT	.3717	.3593	.3658	-.1251	.9003	.8910	.8088	.7725	.7963	.7783	.6832	.8071	.3223	.2124	.1496
21 BUTTOCK HEIGHT	.3260	.3176	.3276	-.1584	.8967	.8949	.8238	.7904	.7692	.7751	.6873	.7988	.3317	.2114	.1371
22 GROUCH HEIGHT	.3320	.3222	.3301	-.1671	.9105	.9203	.8082	.7849	.7915	.7877	.6929	.8297	.3040	.1734	.1030
23 GLUTEAL FURROW HT	.3202	.3135	.3185	-.1764	.9104	.9235	.8096	.7804	.7915	.7877	.6929	.8297	.3040	.1734	.1030
24 PATELLA TOP HEIGHT	.3754	.3618	.3685	-.1056	.9261	.9119	.7599	.7263	.7607	.7631	.6830	.7826	.3399	.2431	.1862
25 PATELLA BOTTOM HT	.3514	.3375	.3438	-.1168	.9146	.9038	.7511	.7205	.7417	.7443	.6542	.7738	.3328	.2301	.1779
26 CALF HEIGHT	.2846	.2731	.2888	-.1162	.7911	.7874	.6880	.6393	.6349	.6621	.5942	.6779	.3142	.2090	.1452
27 ANKLE HEIGHT	.1770	.1776	.1745	-.0073	.3701	.3671	.2701	.2473	.3157	.3170	.2651	.3157	.1261	.0864	.0316
28 MEDIAL MALLEOLUS HT	.4842	.4782	.4586	.2903	.3821	.3222	.2173	.1644	.3085	.2003	.2250	.1927	.2108	.2135	.1709
29 LAT'L MALLEOLUS HT	.3392	.3232	.3143	.1629	.3876	.3570	.2281	.1909	.2785	.1660	.2067	.2199	.1521	.1145	.1068
30 SPHYRIUM HEIGHT	.3649	.3282	.3282	.1954	.2957	.2719	.1569	.1169	.2578	.1487	.1563	.1832	.1491	.1093	.0664
31 SITTING HEIGHT	.9641	.8971	.8971	.6405	.4293	.3534	.3206	.2485	.4453	.3095	.3443	.3132	.3331	.3157	.2669
32 EYE HEIGHT SITTING	.9641	.8939	.8939	.6533	.4194	.3527	.3038	.2347	.4592	.3216	.3394	.3024	.3188	.2917	.2403
33 MID SHOULDER HT/S	.8971	.8939	.7676	.7676	-.0617	-.1318	.3038	.2347	.4592	.3216	.3394	.3024	.3188	.2917	.2403
34 ELBOW REST HT SIT	.6405	.6533	.7676	-.0617	.9386	.8236	.7245	.6972	.7746	.7833	.8025	.7720	.4043	.3670	.2982
35 KNEE HEIGHT SIT	.4293	.4194	.4293	-.1318	.9386	.8236	.7245	.6972	.7746	.7833	.8025	.7720	.4043	.3670	.2982
36 POPLITEAL HT/SIT	.3534	.3527	.3480	-.0317	.7746	.7466	.6972	.6748	.7248	.7248	.6524	.6669	.4017	.4619	.4082
37 BUTTOCK KNEE LENGTH	.3206	.3038	.3301	-.1261	.8236	.7245	.6972	.6748	.7248	.7248	.6524	.6669	.4017	.4619	.4082
38 BUTTOCK POP LENGTH	.2485	.2347	.2587	-.1720	.7746	.7466	.6972	.6748	.7248	.7248	.6524	.6669	.4017	.4619	.4082
39 SHOULDER-ELBOW LENGTH	.4453	.4320	.4592	-.1105	.7833	.7619	.7248	.6899	.7418	.7240	.7133	.7133	.3389	.3167	.2195
40 ELBOW WRIST LENGTH	.3095	.3038	.3216	-.1526	.8025	.7873	.7221	.6899	.7418	.7240	.7133	.7133	.3389	.3167	.2195
41 FUNCTIONAL REACH	.3443	.3317	.3394	-.1198	.7035	.6794	.6524	.6435	.8321	.8019	.7133	.7133	.3389	.3167	.2195
42 SLEEVE INSEAM	.3132	.3024	.2900	-.2510	.7720	.8134	.6859	.6435	.8321	.8019	.7133	.7133	.3389	.3167	.2195
43 BIACROMIAL BREADTH	.3331	.3188	.2807	-.0315	.4043	.3250	.4017	.3517	.3459	.3483	.3389	.3175	.7258	.4426	.4426
44 BIELTLOID BREADTH	.3157	.2917	.3183	.1152	.3670	.1798	.4619	.4047	.2739	.3167	.2930	.1092	.7258	.4426	.4426
45 CHEST BREADTH/SKIN	.2669	.2403	.2976	.1834	.2982	.1009	.4082	.3559	.1964	.2195	.2366	.0213	.4426	.8137	.8137

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 CHEST BREADTH/BONE	.2584	.2432	.2883	.1800	.2730	.1075	.4108	.3388	.2311	.2045	.2154	.0355	.4873	.7325	.8090
47 WAIST BROTH (OMP)	.3070	.2827	.3582	.2179	.3290	.1032	.4791	.4181	.2465	.2042	.2420	.0501	.3451	.6979	.7875
48 BI-ILIOCRISTALE	.3226	.2974	.3718	.2380	.3193	.0944	.4654	.4045	.2364	.1889	.2348	.0368	.3414	.6949	.7886
49 HIP BREADTH	.4215	.4005	.4575	.2520	.4204	.2027	.5543	.4909	.3297	.2939	.3247	.1501	.3773	.6632	.6900
50 HIP BREADTH SIT	.3885	.3596	.4221	.2527	.3753	.1397	.5204	.4538	.2805	.2497	.2695	.0940	.3420	.6767	.7232
51 BITROCHANTER/CBONE	.5222	.5052	.5397	.2742	.4924	.3129	.5702	.4932	.4405	.3458	.3865	.2621	.4124	.5781	.5743
52 ELBOW BREADTH	.3101	.2910	.3029	.1067	.3730	.2647	.3828	.3194	.2955	.3344	.3502	.1947	.2860	.4402	.3940
53 MAX F"ARM-F"ARM BR	.1773	.1594	.2268	.1855	.1854	.0069	.2686	.2299	.0481	.1492	.1410	.0922	.2119	.7056	.7704
54 WRIST BREADTH	.3709	.3550	.3251	.1020	.3909	.3060	.3364	.2611	.3255	.3711	.3462	.2568	.3505	.3750	.2932
55 KNEE BREADTH	.4627	.4414	.4437	.1984	.4851	.3200	.4785	.3982	.3833	.3604	.3712	.2378	.3776	.5239	.4891
56 KNEE-KNEE BR SIT	.2399	.2213	.2588	.1337	.3128	.1007	.4811	.4358	.1963	.2150	.2085	.0570	.3363	.5853	.5647
57 CHEST DEPTH	.2079	.1927	.2528	.1540	.2682	.0504	.4306	.3683	.1864	.2033	.2009	.0080	.2815	.6547	.6972
58 WAIST DEPTH (OMP)	.1614	.1246	.1905	.0720	.2764	.0594	.4678	.4238	.1694	.2022	.2079	.0144	.3082	.6765	.7174
59 ABDOMINAL DPTH/SIT	.1918	.1575	.2210	.0995	.2906	.0803	.4845	.4384	.1808	.2077	.2181	.0324	.3092	.6396	.6837
60 BUTTOCK DEPTH	.2031	.1781	.2434	.1302	.3027	.0772	.5209	.4662	.1706	.2107	.2035	.0052	.3426	.6939	.6918
61 THIGH CLEAR HT SIT	.1797	.1377	.2141	.0587	.3430	.1376	.4845	.4284	.1931	.2685	.2259	.0584	.3340	.6549	.6403
62 NECK CIRC MAXIMUM	.2185	.1844	.2487	.1523	.2215	.0365	.3377	.2780	.1171	.1607	.1653	.0610	.4025	.7224	.6948
63 SHOULDER CIRC	.2894	.2647	.2906	.0934	.3727	.1759	.4933	.4299	.2790	.2946	.3014	.1153	.6200	.9163	.8334
64 CHEST CIRCUMF"ENCE	.2441	.2247	.2813	.1615	.3088	.0936	.4590	.3978	.2147	.2414	.2434	.0190	.4139	.8083	.8734
65 WAIST CIRC (OMPH)	.2583	.2309	.3064	.1779	.3158	.0821	.4922	.4377	.2162	.2126	.2323	.0241	.3291	.7156	.7836
66 BUTTOCK CIRC	.3653	.3402	.4005	.2201	.3993	.1595	.5689	.5004	.2833	.2763	.2873	.0940	.3933	.7423	.7495
67 BUTTOCK CIRC/SIT	.3304	.3024	.3665	.2109	.3591	.1242	.5376	.4763	.2475	.2421	.2565	.0653	.3613	.7111	.7439
68 VERTICAL TRUNK CIRC	.7275	.7015	.7737	.5161	.4974	.3100	.5433	.4604	.4423	.3698	.3783	.2401	.4331	.6545	.6355
69 VERT TRUNK CIRC SIT	.7598	.7351	.8066	.5487	.4909	.3209	.5086	.4279	.4551	.3664	.3789	.2531	.4160	.6112	.5965
70 UPPER THIGH CIRC	.2038	.1814	.2467	.1373	.3004	.0597	.4961	.4380	.1502	.2038	.1956	.0108	.3487	.7311	.7291
71 THIGH CIRC SITTING	.2121	.1884	.2558	.1376	.3109	.0709	.5111	.4517	.1674	.2162	.2117	.0036	.3465	.7254	.7300
72 LOWER THIGH CIRC	.2298	.2071	.2539	.1200	.3519	.1066	.4944	.4292	.1866	.2390	.2237	.0313	.3555	.6886	.6778
73 KNEE CIRCUMFERENCE	.3829	.3504	.3815	.1388	.5357	.3034	.6366	.5474	.3814	.3622	.3835	.2323	.4115	.6560	.6494
74 KNEE CIRC SITTING	.3403	.3091	.3596	.1192	.5254	.2901	.6388	.5544	.3753	.3853	.3822	.2174	.3828	.6551	.6569
75 CALF CIRCUMFERENCE	.2872	.2576	.2940	.1517	.3485	.1225	.4619	.3839	.2031	.2160	.2289	.0444	.3739	.6877	.6737
76 ANKLE CIRCUMF"ENCE	.3839	.3552	.3767	.1871	.4313	.2383	.4703	.3910	.2988	.2810	.2972	.1452	.3482	.5543	.5588
77 SCYE CIRCUMFERENCE	.3403	.3195	.3769	.1533	.4050	.2115	.5056	.4396	.3805	.3466	.3419	.1310	.4266	.7733	.7317
78 BICEPS CIRC EXT	.1681	.1470	.1958	.1260	.2167	.0007	.3858	.3333	.0790	.1692	.1516	.0906	.3567	.7621	.7303
79 BICEPS CIRC FLEXED	.1686	.1520	.1801	.1067	.2167	.0112	.3674	.3162	.0831	.1738	.1449	.0824	.3715	.7554	.7089
80 ELBOW CIRC EXT	.3036	.2818	.3115	.1115	.4246	.2267	.5110	.4502	.2933	.3750	.3381	.1287	.4358	.7361	.6716
81 ELBOW CIRC FLEXED	.2961	.2824	.2985	.0663	.4149	.2889	.4312	.3814	.3471	.3890	.3199	.2216	.3654	.5430	.4627
82 FOREARM CIRC EXT	.2745	.2530	.2781	.1009	.3688	.1700	.4752	.4080	.2489	.3159	.2917	.0736	.4433	.7556	.6810
83 FOREARM CIRC FLEXED	.2525	.2370	.2593	.1031	.3179	.1350	.4077	.3434	.2108	.2785	.2455	.0382	.4027	.7151	.6402
84 WRIST CIRCUMF"ENCE	.3900	.3673	.3662	.1057	.4925	.3499	.4973	.4156	.4031	.4622	.4279	.2875	.4366	.5743	.4963
85 SL SPINE/SCYE	.2980	.2918	.2825	.1551	.2448	.1160	.3222	.2856	.2069	.2291	.2549	.0585	.4579	.6546	.5973
86 SL SPINE-ELBOW	.5046	.4952	.4756	.0107	.6732	.5755	.6632	.6085	.7505	.6069	.6143	.6099	.5744	.6098	.5026
87 SL SPINE-WRIST	.4805	.4811	.4580	.0585	.7959	.7223	.7487	.6933	.8133	.7747	.7035	.7373	.5442	.5430	.4300
88 ANTERIOR NECK LGTH	.3680	.3390	.2835	.1289	.1425	.1895	.0617	.0487	.2230	.1159	.1478	.2584	.0860	.0890	.0816
89 POSTERIOR NECK LGTH	.2936	.2590	.1304	.0333	.1209	.1320	.1102	.0886	.1564	.0730	.1163	.1761	.1118	.0187	.0011
90 SHOULDER LENGTH	.3037	.2787	.2077	.0635	.2703	.2607	.2172	.1900	.2244	.2272	.2673	.3017	.5270	.2788	.1316

TABLE VII (continued)

		CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																			
		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45					
91	DELTOID ARC	.3204	.3027	.3347	-.0077	.4945	.5048	.4277	.4149	.6359	.4929	.4346	.5123	.1860	.2234	.1133					
92	INTERSCYE	.2193	.1957	.2051	.0888	.2343	.1055	.3134	.2770	.1366	.1854	.2409	.0530	.4611	.6527	.6335					
93	INTERSCYE MAXIMUM	.3422	.3327	.3291	.1698	.3200	.1701	.3820	.3332	.2437	.2329	.3001	.0893	.4986	.7060	.6732					
94	WAIST FRONT	.5671	.5450	.5446	.3722	.3087	.1755	.3361	.2929	.2676	.2402	.2638	.1466	.2921	.4307	.3936					
95	CROTCH LENGTH	.4482	.4175	.4620	.3052	.3457	.1492	.4648	.3940	.2574	.2309	.2347	.0922	.3590	.6216	.6087					
96	FOOT BACK	.7321	.7123	.7422	.4819	.4145	.3345	.3542	.2955	.4114	.2871	.3377	.3082	.3114	.3064	.2949					
97	FOOT LENGTH	.3898	.3786	.3661	-.0318	.7291	.6727	.6537	.5883	.6083	.6616	.6112	.6140	.3716	.3381	.2706					
98	BALL-OF-FOOT LENGTH	.3172	.3046	.2931	-.0661	.6631	.6065	.6203	.5606	.5492	.5917	.5501	.5574	.3318	.3082	.2583					
99	BALL-OF-FOOT BIRTH	.3163	.2926	.3004	.0496	.4883	.3730	.4714	.4071	.3661	.4088	.3821	.2992	.3654	.4456	.3885					
100	BI-MALLEOLAR BIRTH	.4142	.4005	.3952	.1192	.5038	.4017	.4532	.3766	.4160	.4319	.3974	.3389	.3434	.4042	.3514					
101	BALL-OF-FOOT GIRTH	.3700	.3363	.3426	.0614	.5564	.4232	.5192	.4441	.4142	.4373	.4246	.3359	.4064	.4927	.4310					
102	INSTEP CIRCUMFERENCE	.3450	.3233	.3306	.0188	.6233	.4942	.5852	.5077	.4678	.5189	.4693	.3934	.4184	.5111	.4343					
103	HEEL-ANKLE CIRCUMF	.4043	.3832	.3877	.0075	.7380	.6146	.6817	.6149	.5716	.6192	.5621	.5136	.4449	.5157	.4447					
104	HAND LENGTH	.3277	.3237	.3058	-.0752	.6700	.6509	.5598	.5137	.5861	.6711	.5902	.6058	.3492	.2854	.1976					
105	PALM LENGTH	.2753	.2730	.2612	-.0715	.5826	.5691	.4869	.4460	.5033	.5771	.5092	.5167	.3104	.2449	.1582					
106	HAND BREADTH/META	.3084	.2898	.2950	.0685	.4171	.3244	.3813	.3182	.3465	.3971	.3267	.2598	.3663	.4307	.3726					
107	HAND CIRC/META	.3529	.3370	.3423	.0836	.4681	.3672	.4395	.3737	.3968	.4499	.4054	.3068	.4059	.4719	.3977					
108	HAND CIRC/THUMB	.3558	.3341	.3335	.0786	.4836	.3658	.4688	.3973	.3843	.4424	.4137	.2888	.4386	.5605	.4695					
109	THICKNESS META/III	.2346	.2287	.2338	.1022	.2589	.1775	.2366	.1918	.2077	.2362	.1855	.1221	.2458	.3466	.3038					
110	FINGER DIAM III	.3045	.2948	.2917	.0776	.3840	.2984	.3524	.2883	.3362	.3676	.3424	.2573	.3414	.4054	.3355					
111	HEAD CIRCUMFERENCE	.2467	.1863	.1984	.0738	.2564	.1640	.2861	.2481	.1883	.2097	.1956	.1115	.2595	.3724	.3446					
112	SAGITTAL ARC	.2810	.2114	.1850	.1039	.1815	.1433	.1440	.1232	.1481	.1515	.1109	.1040	.1055	.1266	.1076					
113	MINIMUM FRONTL ARC	.0955	.0714	.0744	.0166	.1186	.0562	.1276	.1087	.1050	.1041	.0724	.0602	.1069	.1665	.1395					
114	BIT-CORONAL ARC	.3316	.2508	.2510	.1501	.2310	.1448	.2208	.1871	.1624	.1570	.1656	.0825	.2039	.2936	.3061					
115	BIT-MIN FRONTAL A	.3074	.2712	.2782	.1190	.3231	.2211	.3159	.2772	.2426	.2765	.2656	.1553	.2850	.4009	.3843					
116	BIT-SUBNASALE ARC	.1926	.1744	.1999	.0377	.3386	.2279	.3817	.3420	.2362	.3254	.2779	.1681	.3340	.4859	.4245					
117	BIT-MENTON ARC	.2595	.2346	.2688	.0864	.3508	.2276	.3978	.3467	.2729	.3449	.3028	.1752	.3898	.5538	.4680					
118	BIT-SUBMANDIB ARC	.3068	.2730	.3042	.1598	.3085	.1683	.3668	.3143	.2397	.2706	.2535	.1221	.3555	.5377	.5058					
119	BIT-POSTERIOR ARC	.2493	.2194	.2608	.1751	.2064	.0693	.2853	.2082	.1489	.0968	.1386	.0165	.3050	.4974	.4690					
120	HEAD LENGTH	.2274	.1838	.1737	.0414	.2527	.2056	.2491	.2260	.1960	.2369	.1865	.1572	.1958	.2490	.2032					
121	MAX HEAD DIAG/MENT	.3341	.2714	.2574	.0658	.3761	.2919	.3739	.3281	.2820	.3443	.2771	.2245	.3358	.4152	.3336					
122	MAX HEAD DIAG/NUCH	.3546	.3098	.3203	.1838	.3000	.1774	.3521	.3040	.2271	.2451	.2301	.1015	.2987	.4972	.4783					
123	EAR LENGTH	.3019	.2844	.2877	.1929	.1720	.0822	.1790	.1396	.1778	.1161	.1484	.0726	.1538	.2372	.2592					
124	EAR LGTH ABOVE TRG	.2153	.2032	.2034	.1383	.1002	.0540	.0809	.0702	.1094	.0772	.1092	.0610	.0983	.1272	.1365					
125	EAR BREADTH	.1138	.1092	.0995	.0353	.1330	.0949	.1526	.1311	.1068	.0893	.0897	.0811	.1121	.1368	.1365					
126	EAR PROTRUSION	.1393	.1345	.1232	.1081	.0251	-.0086	-.0032	-.0169	.0402	-.0092	-.0097	-.0045	.0653	.0640	.0766					
127	HEAD BREADTH	.1359	.0910	.1361	.1065	.0839	-.0099	.1339	.0913	.0499	.0298	.0746	-.0352	.1936	.3151	.3341					
128	AGE	.3099	.2825	.2987	.2610	.0737	-.0092	.0587	.0196	.1051	.0138	.0606	-.0014	.1769	.2368	.2550					
129	BITRAGON DIAMETER	.1961	.1695	.2163	.1196	.1765	.0791	.2239	.1599	.1524	.1167	.1593	.0626	.2620	.3705	.3601					
130	BITZYGOMATIC DIAM	.2069	.1824	.2289	.1143	.2130	.0895	.2725	.2154	.1746	.1837	.2065	.0567	.3045	.4754	.4568					
131	MAX FRONTAL DIAM	.1852	.1563	.1845	.0596	.2323	.1393	.2660	.2246	.1777	.2026	.2164	.1101	.2476	.3544	.3289					
132	BIGONIAL DIAMETER	.2426	.2068	.2574	.1452	.2185	.1116	.2402	.1922	.1734	.1702	.1985	.0682	.2148	.3780	.3926					
133	BIGONIAL DIAMETER	.0079	-.0200	-.0058	-.1375	.2447	.1943	.2789	.2555	.1529	.2212	.1894	.1827	.2489	.2639	.2127					
134	INTERPUPILLARY DST	-.0114	-.0277	-.0147	-.1435	.2151	.1857	.2444	.2237	.1590	.2318	.1950	.1928	.1965	.1848	.1103					
135	INTEROCULAR DIAM	-.0533	-.0654	-.0435	-.1153	.1408	.1181	.1477	.1374	.0906	.1693	.1234	.1035	.1106	.1280	.0682					

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
136 NASAL ROOT BREADTH	-.0564	-.0782	-.0729	-.1258	.1290	.1026	.1347	.1190	.0657	.1143	.1003	.0897	.1111	.1120	.0656
137 NASAL BREADTH	-.2366	-.2457	-.2357	-.3364	.2062	.2116	.2416	.2482	.0901	.2811	.1876	.1890	.1551	.1463	.0139
138 NOSE PROTRUSION	.2580	.2486	.2394	.1847	.0843	.0513	.0510	.0020	.1212	-.0036	.0530	.0602	.1242	.0923	.1007
139 PHILTRUM LENGTH	.0037	.0036	.0012	-.0301	.0985	.0701	.0919	.0901	.0431	.1048	.0768	.0352	.0975	.1124	.1095
140 LIP-LIP DISTANCE	-.2091	-.2078	-.2307	-.3553	.2210	.2555	.2370	.2515	.1284	.2801	.1910	.2515	.1107	.0285	-.0681
141 LIP LENGTH	-.0300	-.0462	-.0203	-.0856	.1289	.1091	.1489	.1309	.0724	.1722	.1317	.0896	.1468	.1702	.0932
142 LIP LENGTH SMILING	.0454	.0171	.0293	-.0253	.1106	.0796	.1400	.1151	.0720	.1141	.0940	.0630	.1547	.1850	.1298
143 MENTON-SUBNASALE L	.0617	.0535	.0371	-.0860	.2259	.2129	.1389	.1975	.1672	.2666	.1808	.1679	.1403	.1518	.0931
144 MENTON-NASAL RT DP	.2027	.1894	.1716	.0045	.2799	.2520	.2338	.2088	.2453	.2940	.2452	.2204	.2102	.2112	.1490
145 SUBNAS-NAS RT DP	.2334	.2312	.2089	.0922	.1791	.1589	.1285	.0938	.1892	.1281	.1432	.1567	.1301	.0993	.0795
146 VERTEX-GLABELLA HT	.1545	.0737	.0585	.0662	-.0066	-.0277	-.0189	-.0303	-.0296	-.0319	-.0301	-.0719	.0802	.0916	.0666
147 VERTEX-NASAL RT DP	.1475	.0536	.0380	.0231	.0434	.0251	.0267	.0210	.0007	.0399	.0188	-.0210	.0914	.1007	.0573
148 VERTEX-EXT CANT HT	.1688	.0841	.0639	.0596	.0181	-.0193	.0137	-.0032	-.0185	-.0078	.0073	-.0596	.1122	.1360	.1070
149 VERTEX-PRONASALE H	.1893	.1160	.0805	.0721	.0092	-.0022	-.0304	-.0458	-.0022	-.0044	-.0085	-.0343	.0866	.0716	.0349
150 VERTEX-STOMION HT	.2016	.1250	.0837	.0149	.1289	.1072	.0871	.0681	.0787	.1198	.0906	.0583	.1671	.1511	.0903
151 VERTEX-MENTON HT	.2297	.1583	.1227	.0134	.1974	.1674	.1575	.1352	.1412	.2082	.1552	.1115	.2048	.2142	.1357
152 VERTEX-TRAGION HT	.3153	.2150	.1998	.1508	.1137	.0522	.0981	.0669	.0661	.0447	.0726	.0101	.1255	.1794	.1781
153 WALL-GLABELLA DIST	.2299	.1874	.1876	.0479	.2728	.2137	.2791	.2584	.2128	.2609	.2097	.1594	.2050	.2878	.2426
154 WALL-NAS RT DEP DT	.2588	.2197	.2240	.0792	.2848	.2240	.2904	.2611	.2309	.2580	.2191	.1688	.2026	.2872	.2579
155 WALL-EX CANT DIST	.1536	.1229	.1157	-.0124	.2573	.2116	.2807	.2631	.1892	.2414	.1931	.1805	.1696	.2303	.2001
156 WALL-PRONASALE DST	.2810	.2517	.2642	.0852	.3455	.2744	.3604	.3228	.2895	.3052	.2672	.2294	.2365	.3253	.2952
157 WALL-STOMION DIST	.1049	.0835	.1040	-.0837	.3708	.3142	.4135	.3894	.2718	.3740	.2952	.2707	.2378	.3157	.2452
158 WALL-MENTON DIST	.2291	.2058	.2621	.0892	.3356	.2407	.3992	.3618	.2792	.2948	.2765	.2100	.2519	.3995	.3776
159 WALL-TRAGION DIST	.1296	.1071	.1074	.0041	.2041	.1777	.2261	.2119	.1629	.1843	.1455	.1605	.0988	.1378	.1240
169 WEIGHT REPORTED	.4102	.3802	.4348	.1805	.5271	.2951	.6577	.5814	.3895	.4033	.3937	.2106	.4722	.8021	.7868
170 STATURE REPORTED	.6982	.6773	.6553	.1873	.8373	.7356	.7391	.6788	.7596	.6852	.6502	.7044	.4089	.3417	.2868

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 AGE	.1373	.1454	.1519	.0970	.1084	.0834	.0120	.1471	.0090	.0193	.0430	.1475	.1220	.1054	.0877
2 WEIGHT	.6914	.8552	.8500	.8525	.8753	.7485	.5131	.7015	.4250	.6505	.7568	.8106	.8446	.8230	.8739
3 SKF SUBSCAPULAR	.4596	.6883	.6859	.5881	.6497	.4595	.2477	.5234	.1374	.3032	.5460	.6641	.7253	.6999	.7111
4 SKF TRICEPS	.3776	.5947	.5943	.5826	.6312	.4384	.1993	.4821	.0747	.3290	.5559	.5393	.5860	.5740	.6354
5 SKF JUXTA NIPPLE	.3069	.4633	.4589	.4210	.4659	.3188	.1668	.4036	.0818	.2743	.3621	.4447	.4596	.4252	.4742
6 SKF MAL XIPHOID	.4757	.7589	.7559	.6395	.6987	.4986	.2193	.5592	.0873	.3041	.5832	.6691	.7574	.7365	.7312
7 SKF SUPRA ILIAC	.4767	.7521	.7472	.6313	.6890	.4870	.2175	.5557	.1052	.3087	.5727	.6485	.7354	.6801	.7052
8 SKF DORSAL HAND	.2397	.3266	.3179	.2814	.3167	.2436	.1735	.2765	.1515	.2205	.3108	.3115	.3148	.2938	.3390
9 GRIP STRENGTH	.3230	.2485	.2503	.2880	.2579	.2850	.3601	.2959	.4059	.3500	.2586	.3189	.2436	.2195	.2668
10 HEIGHT (STATURE)	.2530	.2910	.2932	.4143	.3604	.5325	.3604	.1280	.3961	.4816	.2521	.1935	.1931	.2208	.2177
11 CERVICALE HEIGHT	.2606	.3073	.3091	.4205	.3632	.5339	.3532	.1324	.3746	.4646	.2593	.2032	.2022	.2330	.2330
12 SHOULDER (ACROM) HT	.3010	.3176	.3166	.4250	.3689	.5377	.3461	.1326	.3571	.4582	.2712	.2282	.2109	.2417	.2444
13 ELBOW (RADIALE) HT	.3155	.3218	.3248	.4275	.3733	.5327	.3351	.1459	.3422	.4478	.2855	.2350	.2088	.2453	.2605
14 WRIST (STYLION) HT	.3211	.3215	.3308	.4095	.3572	.5150	.2958	.1505	.3122	.4197	.2712	.2230	.1915	.2296	.2506
15 DACTYLION HEIGHT	.2658	.3155	.3242	.3951	.3613	.4806	.2517	.1590	.2308	.3771	.2408	.1959	.1820	.2260	.2350
16 SUPRASTERNALE HT	.2797	.2860	.2855	.4068	.3477	.5244	.3577	.1046	.3885	.4671	.2795	.2102	.2101	.2376	.2483
17 CHEST (NIPPLE) HT	.2022	.1696	.1686	.3044	.2365	.4378	.2956	.0087	.3451	.3890	.1943	.1108	.1058	.1337	.1453
18 WAIST HEIGHT (OMP)	.1803	.1475	.1482	.2750	.2095	.3951	.2892	.0136	.3280	.3674	.1654	.1007	.0825	.1054	.1161
19 ILIOCRISTALE	.2194	.2255	.2067	.3244	.2652	.4371	.2970	.0413	.3229	.3899	.2215	.1691	.1580	.1765	.1846
20 TROCHANTERIC HT	.1700	.1810	.1646	.2696	.2201	.3640	.2751	.0375	.2970	.3513	.1831	.1303	.1325	.1434	.1533
21 BUTTOCK HEIGHT	.1498	.1786	.1709	.2591	.2026	.3668	.2716	.0327	.2968	.3224	.1703	.1134	.1334	.1580	.1755
22 GROUCH HEIGHT	.0935	.1403	.1310	.2292	.1811	.3249	.2677	.0314	.2837	.3195	.1176	.0721	.0932	.1083	.0934
23 GUTLEAF FURROW HT	.1227	.1322	.1216	.2064	.1478	.3183	.2522	.0036	.2739	.2986	.1240	.0841	.0874	.1074	.1066
24 PATELLA TOP HEIGHT	.1761	.2039	.1932	.2791	.2281	.3684	.2950	.0726	.3270	.3703	.1643	.1466	.1475	.1543	.1626
25 PATELLA BOTTOM HT	.1705	.1994	.1873	.2699	.2204	.3540	.2719	.0508	.3113	.3296	.1610	.1404	.1497	.1604	.1648
26 CALF HEIGHT	.1656	.1634	.1660	.2437	.1948	.3141	.2334	.0429	.2853	.3026	.1973	.1317	.1419	.1500	.1750
27 ANKLE HEIGHT	.0541	.0514	.0152	.0684	.0461	.1172	.1520	.0007	.1855	.1674	.0635	.0360	.0561	.0590	.0428
28 MED'L MALLEOLUS HT	.1819	.2285	.2357	.3066	.2792	.3978	.2394	.1411	.3343	.4170	.2438	.1501	.1271	.1414	.1361
29 LAT'L MALLEOLUS HT	.1004	.1590	.1651	.1930	.1778	.2721	.1480	.0415	.2377	.2503	.1101	.0903	.0724	.0821	.0789
30 SPHYRIUM HEIGHT	.0938	.0965	.0837	.1767	.1406	.2798	.1635	.0137	.2717	.2893	.1179	.0412	.0324	.0411	.0212
31 SITTING HEIGHT	.2584	.3070	.3226	.4215	.3885	.5222	.3101	.1773	.3709	.4627	.2399	.2079	.1614	.1918	.2031
32 EYE HEIGHT SITTING	.2432	.2827	.2974	.4205	.3596	.5052	.2910	.1594	.3550	.4414	.2213	.1927	.1246	.1575	.1781
33 MID SHOULDER HT/S	.2883	.3582	.3718	.4575	.4221	.5397	.3029	.2268	.3251	.4437	.2588	.2528	.1905	.2210	.2434
34 ELBOW REST HT SIT	.1800	.2179	.2380	.2520	.2527	.2742	.1067	.1855	.1020	.1984	.1337	.1540	.0720	.0995	.1302
35 KNEE HEIGHT SIT	.2730	.3290	.3193	.4204	.3753	.4924	.3730	.1854	.3903	.4851	.3128	.2682	.2764	.2906	.3027
36 POPLITEAL HT/SIT	.1075	.1032	.0944	.2027	.1397	.3129	.2647	.0069	.3200	.3200	.1007	.0604	.0594	.0803	.0772
37 BUTTOCK KNEE LENGTH	.4108	.4791	.4654	.5543	.5204	.5702	.3828	.2686	.3364	.4785	.4811	.4306	.4678	.4845	.5209
38 BUTTOCK POP LENGTH	.3388	.4161	.4045	.4909	.4538	.4932	.3194	.2299	.2611	.3982	.4358	.3683	.4238	.4384	.4662
39 SHOULDER-ELBOW LTH	.2311	.2455	.2364	.3297	.2805	.4405	.2955	.0481	.3255	.3833	.1963	.1864	.1694	.1808	.1706
40 ELBOW WRIST LENGTH	.2045	.2042	.1889	.2939	.2497	.3458	.3344	.1492	.3711	.3604	.2150	.2033	.2022	.2077	.2107
41 FUNCTIONAL REACH	.2154	.2420	.2348	.3247	.2695	.3865	.3502	.1410	.3462	.3712	.2085	.2009	.2079	.2181	.2035
42 SLEEVE INSCAM	.0355	.0501	.0368	.1501	.0940	.2621	.1947	.0922	.2568	.2378	.0570	.0080	.0144	.0324	.0052
43 BIACROMIAL BREADTH	.4873	.3451	.3414	.3773	.3420	.4124	.2860	.2119	.3505	.3776	.3363	.3082	.3082	.3092	.3426
44 BIELTIOID BREADTH	.7325	.6979	.6949	.6632	.6767	.5781	.4402	.7056	.3750	.5239	.5853	.6547	.6765	.6396	.6939
45 CHEST BREADTH/SKIN	.8090	.7875	.7885	.6900	.7232	.5743	.3940	.7704	.2932	.4891	.5647	.6972	.7174	.6837	.6918

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
46 CHEST BREADTH/BONE		.6572	.6556	.5785	.5703	.5600	.3396	.5342	.2828	.4332	.5702	.6027	.5796	.5649	.6134
47 WAIST BROTH (OMP)	.6572		.9840	.8257	.8550	.7246	.3714	.6817	.2691	.5119	.6647	.7578	.8154	.8061	.7909
48 BI-ILIOCRISTALE	.6556	.9840		.8237	.8538	.7245	.3667	.6834	.2654	.5061	.6614	.7513	.8040	.7997	.7832
49 HIP BREADTH	.5785	.8257	.8237		.9213	.8972	.4116	.6070	.3381	.6013	.6941	.6824	.7062	.7264	.7432
50 HIP BREADTH SIT	.5703	.8550	.8538	.9213		.8155	.3336	.6546	.2847	.5900	.7190	.7144	.7611	.7648	.7959
51 BITROCHANTERC/BONE	.5600	.7246	.7245	.8972	.8155		.4088	.4512	.3307	.6268	.6282	.5591	.5672	.6081	.6123
52 ELBOW BREADTH	.3396	.3714	.3667	.4116	.3936	.4088		.3812	.4175	.5038	.3618	.3864	.3617	.3402	.3631
53 MAX F"ARM-F"ARM BR	.5342	.6817	.6834	.6070	.6546	.4512	.3812		.2455	.4252	.5045	.6363	.6558	.6007	.6229
54 WRIST BREADTH	.2828	.2691	.2654	.3381	.2847	.3907	.4175	.2455		.5052	.3143	.2672	.2502	.2455	.2715
55 KNEE BREADTH	.4332	.5119	.5061	.6013	.5900	.6268	.5038	.4252	.5052		.6121	.6240	.4532	.4532	.4916
56 KNEE-KNEE BR SIT	.5702	.6647	.6614	.6941	.7190	.6282	.3618	.4252	.3143	.6121		.6240	.6680	.6709	.7427
57 CHEST DEPTH	.6027	.7578	.7513	.6824	.7144	.5591	.3864	.6363	.2672	.4590	.6240		.7590	.7582	.8315
58 WAIST DEPTH (OMP)	.5796	.8154	.8040	.7062	.7611	.5672	.3517	.6558	.2502	.4532	.6680	.7590		.7298	.7732
59 ABDOMINAL DPTH/SIT	.5649	.8061	.7997	.7264	.7648	.6081	.3402	.6007	.2455	.4592	.6709	.7150	.9032		.6946
60 BUTTOCK DEPTH	.6134	.7909	.7832	.7452	.7959	.6123	.3531	.6229	.2715	.4316	.7427	.7582	.8529	.8315	
61 THIGH CLEAR HT SIT	.5279	.6819	.6752	.6790	.7010	.5309	.3366	.6121	.2523	.4771	.6375	.6780	.7298	.6946	.7732
62 NECK CIRC MAXIMUM	.6012	.6686	.5683	.5839	.6085	.4807	.4034	.6375	.3587	.4439	.5482	.6869	.6931	.6459	.6946
63 SHOULDER CIRC	.7535	.7448	.7428	.6948	.7131	.5931	.4589	.6834	.3318	.5239	.6079	.7461	.7291	.6908	.7424
64 CHEST CIRCUMF"ENCE	.7714	.8060	.8037	.7210	.7474	.6008	.4285	.7423	.3166	.4998	.6243	.8641	.7701	.7310	.7639
65 WAIST CIRC (OMPH)	.6519	.9543	.9427	.8157	.8587	.6926	.3765	.7024	.2576	.5037	.7017	.7953	.9112	.8767	.8566
66 BUTTOCK CIRC	.6296	.8709	.8683	.9185	.9331	.8054	.4308	.6704	.3443	.5975	.7549	.7723	.8188	.8181	.8802
67 BUTTOCK CIRC/SIT	.6132	.8617	.8578	.8811	.9139	.7643	.3365	.6574	.3161	.5641	.7356	.7579	.8251	.8243	.8613
68 VERTICAL TRUNK CIRC	.5646	.6994	.7063	.7516	.7560	.7258	.4489	.5355	.4088	.6074	.5900	.6212	.6249	.6307	.6798
69 VERT TRUNK CIRC SIT	.5377	.6555	.6641	.7114	.7064	.7073	.4321	.4911	.3968	.5812	.5270	.5747	.5469	.5554	.6023
70 UPPER THIGH CIRC	.6071	.8044	.7982	.8116	.8494	.6280	.3991	.6845	.2667	.5207	.7434	.7781	.8154	.7880	.8907
71 THIGH CIRC SITTING	.6048	.8175	.8115	.8248	.8655	.6513	.4048	.6769	.2778	.5289	.7506	.7706	.8246	.7981	.8937
72 LOWER THIGH CIRC	.5810	.7255	.7164	.7460	.7782	.5972	.4282	.6275	.3333	.6029	.7357	.7206	.7419	.7180	.8013
73 KNEE CIRCUMFERENCE	.5558	.7289	.7217	.7369	.7954	.7207	.4860	.5313	.4605	.7309	.7579	.6566	.7046	.7044	.7524
74 KNEE CIRC SITTING	.5628	.7305	.7226	.7747	.7824	.6895	.4866	.5767	.3931	.7021	.7620	.6785	.7132	.7089	.7693
75 CALF CIRCUMFERENCE	.5845	.7044	.7013	.7257	.7610	.6004	.4292	.6051	.3366	.5724	.7081	.6911	.7034	.6890	.7614
76 ANKLE CIRCUMF"ENCE	.4998	.5931	.5924	.6492	.6544	.5983	.4259	.4750	.4320	.6089	.6161	.5500	.5430	.5455	.5973
77 SCYE CIRCUMFERENCE	.6238	.7157	.7146	.6345	.7097	.6103	.4809	.6691	.4285	.5600	.5960	.7139	.6917	.6576	.7104
78 BICEPS CIRC EXT	.6173	.7155	.7134	.6303	.7146	.5178	.4597	.7196	.3475	.4688	.6336	.7612	.7468	.7008	.7774
79 BICEPS CIRC FLEXED	.6074	.6704	.6675	.6367	.6566	.4871	.4579	.6931	.3644	.4532	.5921	.7335	.6957	.6478	.7344
80 ELBOW CIRC EXT	.5888	.6552	.6512	.6617	.6640	.5759	.5611	.6336	.5129	.5966	.6110	.6814	.6680	.6390	.7083
81 ELBOW CIRC FLEXED	.4330	.4084	.4062	.4402	.4269	.4125	.4484	.4448	.4431	.4666	.3977	.4567	.4118	.3880	.4454
82 FOREARM CIRC EXT	.5973	.6409	.5383	.6438	.6521	.5454	.5655	.6540	.5135	.5711	.6146	.6977	.6767	.6342	.7156
83 FOREARM CIRC FLEXED	.5661	.5789	.5780	.5787	.5888	.4811	.5148	.6367	.4734	.5175	.5549	.6567	.6156	.5689	.6509
84 WRIST CIRCUMF"ENCE	.4647	.4709	.4657	.5115	.4974	.5123	.5481	.4303	.6983	.6261	.5040	.4853	.4448	.4671	.5051
85 SL SPINE/SCYE	.5722	.4845	.4854	.4606	.4615	.4158	.3492	.4964	.2775	.3940	.3882	.4544	.4436	.4223	.4502
86 SL SPINE-ELBOW	.4738	.4766	.4755	.5295	.5047	.5673	.3935	.3596	.3753	.5098	.3766	.3965	.3894	.3899	.3966
87 SL SPINE-WRIST	.4119	.4158	.4077	.4846	.4479	.5365	.4082	.2855	.4224	.4889	.3435	.3531	.3438	.3520	.3590
88 ANTERIOR NECK LGTH	.0556	.1242	.1165	.0524	.0925	.0497	.0217	.1458	.0901	.0666	.1392	.1671	.0214	.1804	.2371
89 POSTERIOR NECK LGTH	.0084	.0401	.0324	.0226	.0443	.0846	.0807	.1122	.2007	.1013	.0092	.0486	.0214	.0264	.0360
90 SHOULDER LENGTH	.1220	.0879	.1170	.1533	.1227	.2101	.1327	.0510	.2076	.2007	.0856	.0139	.0437	.0540	.0609

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
91 DELTOTO ARC	.1108	.0919	.0808	.1555	.1272	.2457	.2073	.0297	.2066	.2605	.0514	.0677	.0610	.0763	.0381
92 INTERSCYE	.5784	.5045	.5044	.4387	.4716	.3906	.3155	.5083	.2470	.3564	.3916	.4957	.4514	.4451	.4781
93 INTERSCYE MAXIMUM	.6283	.5847	.5835	.5478	.5471	.4981	.3607	.5271	.3418	.4360	.4481	.5474	.5224	.5062	.5383
94 WAIST FRONT	.3365	.5093	.5026	.5180	.5190	.5126	.3200	.3582	.3040	.4173	.4133	.4166	.4890	.4918	.4789
95 CROICH LENGTH	.5161	.6526	.6632	.7034	.7341	.6113	.3678	.5234	.3203	.5178	.6154	.6035	.6482	.6480	.7390
96 WAIST BACK	.2635	.4244	.4271	.4632	.4315	.5255	.2739	.2100	.2695	.3962	.2743	.3006	.2683	.3004	.2687
97 FOOT LENGTH	.2500	.2651	.2514	.3821	.3152	.4394	.3804	.1705	.4451	.4844	.3116	.2464	.2507	.2589	.2743
98 BALL-OF-FOOT LENGTH	.2295	.2590	.2472	.3686	.3089	.4091	.3570	.1530	.4038	.4457	.3067	.2389	.2512	.2584	.2809
99 BALL-OF-FOOT BIRTH	.3551	.3619	.3752	.4194	.4287	.4156	.3846	.3190	.4262	.4798	.4056	.3627	.3809	.3648	.4161
100 BI-MALLEOLAR BIRTH	.3230	.3324	.3264	.4233	.3371	.4556	.4386	.3028	.5192	.6227	.4193	.3127	.3129	.3104	.3347
101 BALL-OF-FOOT GIRTH	.3946	.4196	.4117	.4762	.4726	.4863	.4409	.3426	.5206	.5594	.4558	.4015	.4139	.4018	.4454
102 INSTEP CIRCUMF" NCE	.4035	.4181	.4094	.4787	.4664	.4799	.4401	.3585	.4830	.5633	.4777	.4295	.4336	.4313	.4655
103 HEEL-ANKLE CIRCUMF	.4069	.4433	.4335	.5307	.4957	.5433	.4709	.3404	.5223	.6316	.5004	.4309	.4380	.4309	.4724
104 HAND LENGTH	.1999	.1536	.1461	.2522	.1961	.3216	.2532	.1063	.4183	.3725	.2036	.1536	.1444	.1522	.1648
105 PALM LENGTH	.1639	.1225	.1178	.2124	.1615	.2756	.1757	.0693	.3721	.3303	.1755	.1163	.1171	.1265	.1240
106 HAND BREADTH/META	.3585	.3084	.3049	.3484	.3301	.3705	.2527	.3080	.5331	.4443	.3256	.3315	.3088	.2865	.3341
107 HAND CIRC/META	.3816	.3371	.3311	.3871	.3659	.4107	.4781	.3335	.5841	.5014	.3556	.3671	.3380	.3142	.3605
108 HAND CIRC/THUMB	.4240	.3861	.3837	.4434	.4215	.4375	.5154	.4097	.6045	.5255	.4169	.4381	.4101	.3838	.4325
109 THICKNESS META/III	.2760	.2701	.2740	.2915	.2861	.3020	.0749	.2860	.4092	.3421	.2694	.2866	.2720	.2592	.2775
110 FINGER DIAM III	.3112	.2887	.2867	.3364	.3119	.3643	.4296	.2757	.5423	.4274	.3107	.3054	.2912	.2761	.2948
111 HEAD CIRCUMFERENCE	.3114	.3345	.3366	.3204	.3449	.2939	.2523	.2945	.2222	.3042	.3234	.3055	.3425	.3203	.3728
112 SAGITTAL ARC	.1198	.0970	.0962	.1222	.1403	.1465	.1079	.1117	.0903	.1848	.1226	.0837	.0938	.0990	.1115
113 MINIMUM FRONTL ARC	.1568	.1546	.1183	.1457	.1493	.1375	.1397	.1160	.1582	.1557	.1480	.1718	.1718	.1656	.1568
114 BIT-CORONAL ARC	.2720	.3050	.3114	.3114	.3230	.3109	.2031	.2406	.1846	.2863	.2606	.2284	.2681	.2701	.2762
115 BIT-MIN FRONTAL A	.3468	.3836	.3792	.3867	.3876	.3574	.2888	.3233	.2772	.3688	.3436	.3132	.3494	.3381	.3689
116 BIT-SUBNASALE ARC	.3856	.4011	.3899	.4163	.4115	.3537	.3324	.3616	.3144	.3911	.4025	.4110	.4255	.3854	.4584
117 BIT-MENTON ARC	.4184	.4330	.4282	.4565	.4584	.4041	.3767	.4130	.3323	.4347	.4271	.4626	.4608	.4215	.4901
118 BIT-SUBMANDIB ARC	.4463	.5072	.5055	.4968	.5132	.4487	.3474	.4315	.3150	.4225	.4614	.5009	.5103	.4627	.5252
119 BIT-POSTERIOR ARC	.4194	.5073	.5172	.4543	.4812	.3996	.2790	.3991	.2504	.3538	.4163	.4979	.5027	.4802	.5126
120 HEAD LENGTH	.1972	.1775	.1805	.1880	.2018	.1832	.1846	.1785	.1931	.2326	.2004	.1939	.2023	.1892	.2334
121 MAX HEAD DIAG/MENT	.3210	.2864	.2904	.3246	.3301	.3266	.1991	.2776	.2901	.3731	.3213	.3224	.3058	.3569	.3569
122 MAX HEAD DIAG/NUCH	.4208	.4714	.4728	.4630	.4786	.4179	.3366	.4117	.2432	.3991	.4085	.4596	.4757	.4460	.4842
123 EAR LENGTH	.2244	.3279	.3293	.3319	.3315	.3358	.1229	.2014	.1665	.2859	.2580	.2691	.2467	.2703	.2370
124 EAR LGTH ABOVE TRG	.1119	.1689	.1692	.1772	.1713	.1779	.1084	.0884	.1030	.1818	.1259	.1317	.1014	.1244	.0916
125 EAR BREADTH	.1221	.1447	.1391	.1644	.1581	.1544	-.0497	.0840	.0863	.1639	.1290	.1380	.1315	.1384	.1338
126 EAR PROTRUSTION	.0709	.1173	.1267	.1235	.1178	.1293	-.1003	.0572	.0991	.0862	.0785	.0779	.0570	.0648	.0460
127 HEAD BREADTH	.2951	.3362	.3381	.2888	.3163	.2604	.1836	.2730	.1374	.2394	.2729	.2655	.3004	.2830	.3040
128 AGE	.2336	.3232	.3291	.3056	.3114	.3155	.2014	.2005	.1803	.2609	.2214	.2370	.2140	.2183	.1855
129 BITRAGION DIAMETER	.3221	.3621	.3773	.3579	.3637	.3443	.2439	.2763	.2400	.3214	.3201	.3326	.3362	.3195	.3392
130 BIZYGOMATIC DIAM	.4113	.4698	.4665	.4339	.4502	.3341	.3051	.3989	.2684	.3829	.3940	.4191	.4410	.4145	.4422
131 MAX FRONTAL DIAM	.2802	.3370	.3340	.3179	.3360	.2793	.2641	.2890	.2312	.2906	.3010	.2923	.3235	.2953	.3239
132 BIGONIAL DIAMETER	.3217	.4020	.4025	.3926	.3930	.3568	.2503	.3505	.2565	.3381	.3238	.3697	.3652	.3555	.3594
133 BIOCULAR DIAMETER	.1885	.1888	.1824	.1933	.1912	.1545	.1877	.1141	.2394	.1754	.2292	.1785	.2459	.2201	.2659
134 INTERPUPILLARY DST	.0944	.1079	.1018	.1280	.1252	.0966	.1508	.0697	.1689	.1398	.1507	.1133	.1526	.1360	.1715
135 INTEROCULAR DIAM	.0601	.0442	.0373	.0579	.0509	.0225	.1080	.0703	.1453	.0785	.0965	.0741	.0979	.0725	.1105

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
136 NASAL ROOT BREADTH	.0669	.0336	.0300	.0469	.0463	.0173	.0866	.0304	.1501	.0591	.0927	.0602	.0735	.0594	.1093
137 NASAL BREADTH	.0280	-.0731	-.0845	-.0366	-.0406	-.0759	.1022	.0132	.1327	.0454	.0986	.0365	.0964	.0532	.1276
138 NOSE PROTRUSION	.1179	.1315	.1350	.1590	.1473	.1991	.0763	.0430	.1142	.1260	.0695	.0709	.0343	.0607	.0308
139 PHILTRUM LENGTH	.1093	.0608	.0594	.0425	.0527	.0282	.0753	.0700	.1020	.0938	.0921	.0709	.0951	.0874	.1027
140 LIP-LIP DISTANCE	-.0523	-.1528	-.1615	-.1028	-.1200	-.1206	.0378	-.1030	.0645	-.0150	.0111	-.0498	-.0099	-.0368	.0292
141 LIP LENGTH	.1035	.0520	.0485	.0598	.0643	.0315	.1279	.0863	.1229	.1083	.1063	.1015	.1146	.0813	.1295
142 LIP LENGTH SMILING	.1262	.1034	.1031	.1170	.1147	.0892	.1125	.1044	.1192	.1165	.1326	.1199	.1325	.1112	.1475
143 MENTON-SUBNASALE L	.1027	.0281	.0176	.0567	.0488	.0548	.0414	.0762	.1212	.1648	.1085	.0635	.0970	.0721	.1055
144 MENTON-NASAL RT DP	.1546	.1039	.0957	.1447	.1269	.1504	.1879	.1108	.1984	.2343	.1388	.1015	.1213	.1071	.1244
145 SUBNAS-NAS RT DPTH	.0804	.0897	.0880	.1419	.1080	.1812	.1120	.0347	.1580	.1481	.0542	.0505	.0443	.0556	.0326
146 VERTEX-GLABELLA HT	.0817	.0382	.0504	.0543	.0672	.0653	.0220	.0595	.0543	.0733	.0765	.0242	.0550	.0399	.0712
147 VERTEX-NASAL RT DP	.0656	.0185	.0238	.0388	.0555	.0463	.0460	.0505	.0621	.0904	.0819	.0080	.0591	.0400	.0729
148 VERTEX-EXT CANT HT	.1033	.0868	.0937	.0859	.1056	.0914	.0919	.0938	.0935	.1177	.1114	.0597	.1102	.0971	.1181
149 VERTEX-PRONASALE H	.0543	.0087	.0121	.0327	.0328	.0605	.0499	.0230	.0815	.0843	.0436	-.0242	.0179	.0053	.0214
150 VERTEX-STOMION HT	.1096	.0266	.0283	.0657	.0656	.0885	.0765	.0549	.1365	.1515	.1099	.0162	.0661	.0470	.0836
151 VERTEX-MENTON HT	.1511	.0727	.0709	.1123	.1112	.1281	.1386	.1073	.1781	.2169	.1520	.0709	.1208	.0947	.1349
152 VERTEX-TRAGION HT	.1641	.1894	.1996	.1935	.2103	.2034	.1285	.1447	.1255	.2006	.1748	.1315	.1605	.1666	.1658
153 WALL-GLABELLA DIST	.2289	.2224	.2251	.2308	.2497	.2162	.2345	.2290	.1957	.2684	.2452	.2405	.2453	.2315	.2830
154 WALL-NAS RT DEP DT	.2439	.2486	.2508	.2592	.2701	.2491	.2235	.2332	.2142	.2788	.2464	.2587	.2506	.2422	.2851
155 WALL-EX CANT DIST	.1816	.1871	.1894	.1932	.2041	.1726	.1820	.1695	.1693	.2044	.2128	.2233	.2157	.2011	.2582
156 WALL-PRONASALE DST	.2744	.2973	.2969	.3144	.3187	.3043	.2722	.2480	.2391	.3247	.2763	.3127	.2868	.2857	.3140
157 WALL-STOMION DIST	.2192	.2117	.2086	.2372	.2434	.1998	.2690	.2157	.2154	.2697	.2666	.2919	.2774	.2628	.3242
158 WALL-MENTON DIST	.3177	.3982	.4017	.3975	.4062	.3600	.3517	.3349	.2172	.3338	.3308	.4241	.3842	.3839	.4039
159 WALL-TRAGION DIST	.1146	.1178	.1254	.1258	.1347	.1104	.1731	.1081	.0909	.1301	.1471	.1678	.1361	.1390	.1714
169 WEIGHT REPORTED	.6791	.8409	.8354	.8388	.8505	.7366	.5079	.6916	.4085	.6403	.7415	.7967	.8246	.8062	.8549
170 STATURE REPORTED	.2758	.3149	.3163	.4195	.3702	.5234	.3551	.1517	.3922	.4799	.2690	.2214	.2218	.2488	.2443

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1 AGE	.0396	.1552	.1335	.1330	.1450	.0883	.1138	.1222	.1318	.0751	.0724	.0382	.0207	.0193	.0687										
2 WEIGHT	.8139	.7655	.8668	.8614	.8862	.9364	.9084	.8213	.7590	.9119	.9139	.8714	.8753	.8746	.8609										
3 SKF SUBSCAPULAR	.5868	.5888	.6288	.6475	.7380	.6973	.6967	.4858	.4219	.7014	.7071	.5962	.5885	.5643	.5770										
4 SKF TRICEPS	.5515	.4369	.4603	.5272	.6349	.6415	.6311	.4262	.3592	.6764	.6622	.5776	.5114	.5437	.5477										
5 SKF JUXTA NIPPLE	.4024	.3957	.3680	.4335	.4996	.4782	.4711	.3491	.3108	.4913	.4851	.4138	.3527	.3771	.4016										
6 SKF MAL XIPHOID	.5965	.5491	.5875	.6529	.7975	.7315	.7352	.4892	.4330	.7273	.7376	.6159	.5669	.5775	.5724										
7 SKF SUPRA ILIAC	.5793	.5445	.5821	.6438	.7872	.7109	.7186	.5027	.4503	.7202	.7262	.5922	.5568	.5530	.5737										
8 SKF DORSAL HAND	.2773	.3060	.2921	.3147	.3409	.3433	.3495	.2541	.2269	.3485	.3467	.3106	.3254	.3234	.3258										
9 GRIP STRENGTH	.2926	.3824	.4493	.3804	.2511	.3189	.2983	.3467	.3399	.3160	.3156	.3360	.3731	.3325	.3595										
10 HEIGHT (STATURE)	.2438	.1661	.3083	.2458	.2570	.3560	.3185	.6336	.6466	.2037	.2204	.2460	.4715	.4447	.2716										
11 CERVICALE HEIGHT	.2542	.1647	.3075	.2474	.2715	.3509	.3252	.6268	.6367	.2154	.2311	.2485	.4682	.4522	.2686										
12 SHOULDER(ACROM) HT	.2606	.1582	.3041	.2734	.2833	.3690	.3363	.6371	.6487	.2243	.2427	.2545	.4727	.4550	.2671										
13 ELBOW (RADIALE) HT	.2712	.1792	.2884	.2787	.2883	.3754	.3439	.6564	.6648	.2399	.2566	.2654	.4674	.4490	.2727										
14 WRIST (STYLION) HT	.2415	.1837	.2532	.2732	.2815	.3594	.3308	.6485	.6508	.2271	.2428	.2435	.4333	.4106	.2535										
15 DACTYLION HEIGHT	.2275	.1593	.2094	.2395	.2715	.3453	.3221	.6337	.6414	.2172	.2334	.2295	.3989	.3734	.2384										
16 SUPRASTERNAL HT	.2512	.1602	.3173	.2554	.2622	.3588	.3231	.6078	.6132	.2226	.2395	.2616	.4797	.4588	.2734										
17 CHEST (NIPPLE) HT	.1757	.0645	.2188	.1618	.1460	.2482	.2152	.5107	.5247	.1180	.1340	.1516	.3708	.3544	.1598										
18 WAIST HEIGHT (OMP)	.1589	.0543	.2126	.1426	.1173	.2195	.1834	.4200	.4308	.1009	.1164	.1516	.3708	.3544	.1598										
19 ILIOCRISTALE	.2155	.0951	.2495	.1960	.2025	.2764	.2489	.4251	.4334	.1604	.1782	.2019	.4107	.4018	.2025										
20 TROCHANTERIC HT	.1932	.0702	.2162	.1612	.1616	.2282	.1977	.3683	.3744	.1263	.1439	.1800	.3742	.3722	.1649										
21 BUTTOCK HEIGHT	.2007	.0705	.2099	.1484	.1595	.2196	.1944	.3367	.3431	.1271	.1437	.1559	.3668	.3622	.1506										
22 CROTCH HEIGHT	.1587	.0254	.1746	.1190	.1167	.1805	.1558	.3153	.3229	.0843	.1035	.1272	.3400	.3357	.1248										
23 GLUTEAL FURROW HT	.1528	.0279	.1765	.1159	.1119	.1655	.1393	.2989	.3093	.0770	.0909	.1155	.3263	.3194	.1137										
24 PATELLA TOP HEIGHT	.2150	.1006	.2446	.1874	.1816	.2373	.2082	.3804	.3897	.1452	.1531	.2030	.3999	.3886	.1908										
25 PATELLA BOTTOM HT	.2115	.0972	.2427	.1790	.1761	.2338	.2066	.3668	.3728	.1473	.1559	.1923	.3941	.3727	.1930										
26 CALF HEIGHT	.2067	.0975	.2171	.1608	.1519	.2152	.1908	.3230	.3234	.1494	.1608	.1562	.3527	.3428	.1359										
27 ANKLE HEIGHT	.0528	.0593	.1006	.0443	.0519	.0702	.0533	.1600	.1578	.0271	.0411	.1115	.1571	.1452	.0409										
28 MED'L MALLEOLUS HT	.1232	.1573	.2007	.1632	.1948	.2557	.2364	.3877	.4114	.1337	.1434	.1709	.3140	.2751	.2308										
29 LAT'L MALLEOLUS HT	.0697	.0823	.1340	.1045	.1207	.1547	.1629	.2720	.2874	.0751	.0836	.0941	.2543	.1927	.1404										
30 SPHYRIUM HEIGHT	.0097	.0695	.1164	.0589	.0658	.1267	.1165	.2488	.2752	.0176	.0308	.0759	.2061	.1427	.1106										
31 SITTING HEIGHT	.1797	.2185	.2894	.2441	.2583	.3653	.3304	.7275	.7598	.2038	.2121	.2298	.3829	.3403	.2872										
32 EYE HEIGHT SITTING	.1377	.1844	.2647	.2247	.2309	.3402	.3024	.7015	.7351	.1814	.1884	.2071	.3504	.3091	.2576										
33 MID SHOULDER HT/S	.2141	.2487	.2906	.2813	.3064	.4005	.3655	.7737	.8066	.2467	.2558	.2539	.3815	.3596	.2940										
34 ELBOW REST HT SIT	.0587	.1523	.0934	.1615	.1779	.2201	.2109	.5161	.5487	.1373	.1376	.1200	.1388	.1192	.1517										
35 KNEE HEIGHT SIT	.3430	.2215	.3727	.3088	.3158	.3993	.3591	.4974	.4909	.3004	.3109	.3519	.5357	.5254	.3485										
36 POPLITEAL HT/SIT	.1376	.0365	.1759	.0936	.0821	.1595	.1242	.3100	.3209	.0597	.0709	.1066	.3034	.2901	.1225										
37 BUTTOCK KNEE LENGTH	.4345	.3377	.4933	.4590	.4922	.5689	.5376	.5433	.5085	.4961	.5111	.4944	.6366	.6388	.4619										
38 BUTTOCK POP LENGTH	.4284	.2780	.4299	.3978	.4377	.5004	.4763	.4604	.4279	.4380	.4517	.4292	.5474	.5544	.3839										
39 SHOULDER-ELBOW LTH	.1931	.1171	.2790	.2147	.2162	.2833	.2475	.4423	.4551	.1502	.1674	.1866	.3814	.3753	.2031										
40 ELBOW WRIST LENGTH	.2685	.1607	.2946	.2414	.2126	.2763	.2421	.3698	.3664	.2038	.2162	.2390	.3622	.3853	.2160										
41 FUNCTIONAL REACH	.2259	.1653	.3014	.2434	.2323	.2973	.2565	.3783	.3789	.1956	.2117	.2237	.3835	.3822	.2289										
42 SLEEVE INSEAM	.0584	.0610	.1153	.0190	.0241	.0940	.0653	.2401	.2531	.0108	.0036	.0313	.2323	.2174	.0444										
43 BIACROMIAL BREADTH	.3340	.4025	.6200	.4139	.3291	.3933	.3613	.4331	.4160	.3487	.3465	.3555	.4115	.3828	.3739										
44 BICEPTOID BREADTH	.6549	.7224	.9163	.7156	.7423	.7111	.6545	.6112	.7311	.7254	.7254	.6886	.6561	.6551	.6877										
45 CHEST BREADTH/SKIN	.6403	.6948	.8334	.8734	.7836	.7495	.7439	.6355	.5965	.7291	.7300	.6778	.6494	.6569	.6737										

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	51	52	53	54	55	56	57	58	59	70	71	72	73	74	75
46 CHEST BREADTH/BONE	.5279	.6012	.7535	.7714	.6519	.6296	.6132	.5845	.5377	.6071	.6048	.5810	.5558	.5628	.5845
47 WAIST BROTH (OMP)	.6819	.6686	.7448	.8060	.9543	.8709	.8517	.6994	.6555	.8044	.8175	.7255	.7289	.7305	.7044
48 81-ILIOCRISTALE	.6752	.6683	.7428	.8037	.9427	.8683	.8578	.7063	.6541	.7982	.8115	.7164	.7217	.7226	.7013
49 HIP BREADTH	.6790	.5839	.6948	.7210	.9157	.9185	.8911	.7516	.7114	.8416	.8248	.7460	.7669	.7747	.7257
50 HIP BREADTH SIT	.7010	.6085	.7131	.7474	.8587	.9331	.9139	.7560	.7064	.8494	.8555	.7782	.7954	.7924	.7610
51 BITROCHANTER/BONE	.5309	.4807	.5931	.6008	.6926	.8054	.7843	.7258	.7073	.6280	.6513	.5972	.7207	.6895	.6004
52 ELBOW BREADTH	.3866	.4034	.4589	.4285	.3765	.4308	.3965	.4489	.4321	.3991	.4048	.4282	.4850	.4866	.4292
53 MAX F"ARM-F"ARM BR	.6121	.6375	.6834	.7423	.7024	.6704	.6574	.5355	.4911	.6845	.6769	.6275	.5313	.5757	.6051
54 WRIST BREADTH	.2523	.3587	.3918	.3166	.2576	.3443	.3161	.4088	.3968	.2667	.2778	.3333	.4606	.3991	.3366
55 KNEE BREADTH	.4771	.4439	.5239	.4998	.5097	.5975	.5641	.6074	.5812	.5207	.5289	.6029	.7309	.7021	.5724
56 KNEE-KNEE BR SIT	.6375	.5482	.6079	.6243	.7017	.7549	.7356	.5900	.5270	.7434	.7506	.7357	.7579	.7620	.7081
57 CHEST DEPTH	.6780	.6869	.7461	.8641	.7953	.7723	.7579	.6212	.5747	.7781	.7706	.7206	.6566	.6785	.6911
58 WAIST DEPTH (OMP)	.7298	.6931	.7291	.7701	.9112	.8188	.8251	.6249	.5469	.8154	.8246	.7419	.7046	.7132	.7034
59 ABDOMINAL OPT/H/SIT	.6946	.6459	.6908	.7310	.8767	.8181	.8243	.6307	.5954	.7880	.7981	.7180	.7044	.7089	.6890
60 BUTTOCK DEPTH	.7732	.6946	.7424	.7639	.8566	.8802	.8613	.6798	.6023	.8907	.8937	.8013	.7824	.7693	.7614
61 THIGH CLEAR HT SIT	.6417	.6970	.6970	.7080	.7359	.7873	.7513	.6174	.5485	.8570	.8387	.7970	.6935	.7359	.7379
62 NECK CIRC MAXIMUM	.6970	.7610	.7610	.7418	.7052	.7020	.6798	.5885	.5307	.7110	.7098	.6593	.5981	.6031	.6434
63 SHOULDER CIRC	.7080	.7418	.8724	.8724	.7642	.7902	.7637	.6670	.6199	.7885	.7838	.7487	.7097	.6973	.7374
64 CHEST CIRCUMF"ENCE	.7359	.7052	.7642	.8251	.8251	.8041	.7919	.6625	.6202	.8023	.7951	.7478	.6952	.7043	.7257
65 WAIST CIRC (ONPH)	.7873	.7020	.7902	.8041	.8928	.8928	.8885	.6957	.6375	.8523	.8627	.7688	.7456	.7582	.7333
66 BUTTOCK CIRC	.7513	.6798	.7637	.7919	.8885	.9427	.7447	.7447	.7447	.7447	.7447	.7447	.7447	.7447	.7447
67 BUTTOCK CIRC/SIT	.6174	.5885	.6670	.6625	.6957	.7807	.7447	.7447	.7447	.7447	.7447	.7447	.7447	.7447	.7447
68 VERTICAL TRUNK CIRC	.5485	.5307	.6199	.6202	.6375	.7160	.6852	.6852	.6852	.6852	.6852	.6852	.6852	.6852	.6852
69 VERT TRUNK CIRC SIT	.8570	.7110	.7885	.8023	.8523	.9154	.8870	.6787	.6036	.6036	.6036	.6036	.6036	.6036	.6036
70 UPPER THIGH CIRC	.8387	.7098	.7838	.7951	.8627	.9261	.8949	.6914	.6147	.9725	.8783	.8226	.8226	.8226	.8226
71 THIGH CIRC SITTING	.7970	.6593	.7487	.7478	.7688	.8401	.8036	.5516	.5804	.8875	.8783	.8226	.8226	.8226	.8226
72 LOWER THIGH CIRC	.6935	.5981	.7097	.6952	.7456	.8330	.8130	.7185	.6605	.7935	.8056	.8226	.8226	.8226	.8226
73 KNEE CIRCUMFERENCE	.7359	.6031	.6973	.7043	.7582	.8339	.8007	.7044	.6440	.8120	.8247	.8366	.9031	.7998	.7998
74 KNEE CIRC SITTING	.7379	.6434	.7374	.7257	.7333	.8137	.7912	.6499	.5905	.8474	.8303	.8359	.7980	.7998	.7998
75 CALF CIRCUMFERENCE	.5738	.5046	.5873	.5793	.5926	.6803	.6563	.6199	.5808	.6474	.6427	.6864	.7394	.7249	.7821
76 ANKLE CIRCUMF"ENCE	.6721	.7456	.8006	.7713	.7377	.7735	.7485	.6931	.6450	.7456	.7485	.7102	.6978	.7055	.6865
77 SCYE CIRCUMFERENCE	.7488	.7599	.8234	.8137	.7634	.7924	.7717	.5994	.5308	.8562	.8386	.7961	.6859	.6987	.7694
78 BICEPS CIRC EXT	.7110	.7418	.8172	.7956	.7144	.7482	.7280	.5718	.5071	.8134	.7954	.7629	.6518	.6570	.7326
79 BICEPS CIRC FLEXED	.6780	.7000	.7904	.7425	.6868	.7460	.7112	.6491	.6029	.7479	.7448	.7506	.7359	.7298	.7256
80 ELBOW CIRC EXT	.4593	.4923	.5617	.5199	.4252	.4966	.4652	.4933	.4632	.4812	.4803	.4994	.5016	.5135	.4898
81 ELBOW CIRC FLEXED	.6905	.7470	.8130	.7591	.6803	.7463	.7161	.6310	.5782	.7688	.7616	.7610	.7292	.7257	.7535
82 FOREARM CIRC EXT	.6443	.7053	.7659	.7228	.6188	.6794	.6499	.5854	.5318	.7125	.7029	.7107	.6451	.6498	.7052
83 FOREARM CIRC FLEXED	.4925	.5431	.6110	.5403	.4846	.5648	.5363	.5780	.5403	.5166	.5246	.5729	.6595	.6277	.5704
84 WRIST CIRCUMF"ENCE	.4115	.4804	.6403	.5984	.4902	.4917	.4826	.4771	.4597	.4753	.4743	.4551	.4513	.4453	.4423
85 SL SPINE/SCYE	.3738	.3758	.6031	.5008	.4543	.5160	.4828	.5930	.5970	.4130	.4159	.4189	.5419	.5308	.4414
86 SL SPINE-ELBOW	.3300	.3324	.5449	.4412	.3950	.4740	.4368	.5527	.5448	.3679	.3767	.3893	.5349	.5213	.4002
87 SL SPINE-WRIST	.0823	.1963	.1190	.1408	.1751	.1379	.1488	.1037	.1593	.2250	.2153	.1745	.0538	.0873	.1412
88 ANTERIOR NECK LGTH	.0066	.0474	.0482	.0070	.0574	.0161	.0138	.1248	.1394	.0413	.0255	.0181	.1123	.0305	.0399
89 POSTERIOR NECK LGTH	.1268	.0501	.2330	.0879	.0633	.1162	.0942	.2198	.2280	.0636	.0615	.0621	.1629	.1444	.1280
90 SHOULDER LENGTH															

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91 DELTOID ARC	.0776	.0783	.1913	.1006	.0782	.1292	.1192	.2788	.3009	.0264	.0461	.0658	.1970	.1923	.0969
92 INTERSCYE	.4523	.5049	.6655	.6158	.5029	.5054	.4855	.4264	.4045	.4970	.4838	.4673	.4380	.4585	.4691
93 INTERSCYE MAXIMUM	.4932	.5802	.7301	.6767	.5854	.6055	.5820	.5539	.5297	.5736	.5685	.5470	.5463	.5405	.5512
94 WAIST FRONT	.4397	.3776	.4385	.4435	.5231	.5383	.5281	.6877	.6668	.4612	.4674	.4454	.4990	.4824	.4372
95 CROTCH LENGTH	.6396	.5703	.6599	.6376	.6768	.7752	.7549	.7749	.7159	.7364	.7479	.6965	.7078	.6956	.6771
96 WAIST BACK	.2300	.2601	.2997	.2858	.3779	.4062	.3815	.6860	.6972	.2635	.2711	.2554	.3856	.3607	.2946
97 FOOT LENGTH	.3052	.2502	.3476	.2871	.2586	.3563	.3146	.4507	.4365	.2661	.2816	.3238	.5062	.4846	.3562
98 BALL-OF-FOOT LENGTH	.3070	.2372	.3258	.2755	.2554	.3506	.3150	.4036	.3835	.2736	.2906	.3229	.4995	.4661	.3506
99 BALL-OF-FOOT BIRTH	.4023	.3868	.4664	.4168	.3818	.4663	.4380	.4842	.4209	.4232	.4330	.4717	.5452	.5374	.5167
100 BI-MALLEOLAR BIRTH	.3564	.3478	.3792	.3501	.3278	.4224	.3851	.4977	.4746	.3462	.3507	.4209	.5430	.5345	.4633
101 BALL-OF-FOOT GIRTH	.4514	.4396	.5200	.4554	.4173	.5172	.4846	.5453	.5135	.4607	.4708	.5175	.6267	.6042	.5786
102 INSTEP CIRCUMFERENCE	.4741	.4587	.5274	.4713	.4330	.5204	.4862	.5370	.5052	.4856	.4872	.5469	.6281	.6284	.5743
103 HEEL-ANKLE CIRCUMF	.4815	.4298	.5374	.4760	.4472	.5483	.5103	.5807	.5549	.4854	.4935	.5509	.6922	.6672	.5782
104 PALM LENGTH	.2084	.1682	.2878	.2096	.1486	.2326	.1950	.3446	.3434	.1563	.1676	.2080	.3683	.3550	.2193
105 HAND LENGTH	.1622	.1339	.2400	.1720	.1224	.1969	.1640	.2844	.2847	.1219	.1347	.1730	.3273	.3036	.1793
106 HAND BREADTH/META	.3307	.4053	.4517	.4000	.3102	.3771	.3599	.4229	.4031	.3406	.3411	.3857	.4529	.4361	.4087
107 HAND CIRC/META	.3690	.4481	.5016	.4338	.3377	.4170	.3926	.4717	.4554	.3735	.3767	.4329	.5074	.4909	.4480
108 HAND CIRC/THUMB	.4498	.5316	.5966	.5074	.4003	.4880	.4572	.5240	.4973	.4662	.4670	.5178	.5800	.5505	.5420
109 THICKNESS META/III	.2665	.3313	.3631	.3323	.2778	.3204	.3063	.3422	.3177	.2823	.2844	.3211	.3592	.3354	.3321
110 FINGER DIAM II	.2843	.3846	.4382	.3683	.2848	.3603	.3364	.4074	.3974	.3055	.3153	.3576	.4540	.4098	.3718
111 HEAD CIRCUMFERENCE	.3232	.4351	.3920	.3455	.3461	.3748	.3574	.3547	.3308	.3615	.3638	.3491	.3903	.3599	.3303
112 SAGITTAL ARC	.0989	.1478	.1162	.1001	.1030	.1259	.1021	.1932	.1910	.0946	.0944	.1153	.1495	.1648	.1201
113 MINIMUM FRONTL ARC	.1588	.2217	.2031	.1626	.1642	.1703	.1503	.1668	.1527	.1710	.1896	.2262	.2017	.2083	.1784
114 BIT-CORONAL ARC	.2497	.3491	.2961	.2743	.2981	.3243	.3305	.3418	.3232	.2763	.2549	.2784	.3322	.2950	.3108
115 BIT-MIN FRONTAL A	.3285	.4432	.4106	.3732	.3810	.4113	.3335	.4142	.3878	.3717	.3776	.3822	.4328	.4232	.3924
116 BIT-SUBNASALE ARC	.4084	.5233	.5056	.4554	.4250	.4589	.4499	.4132	.3711	.4670	.4594	.4644	.4858	.4848	.4652
117 BIT-WENTON ARC	.4374	.5755	.5551	.5102	.4592	.5098	.4734	.4861	.4477	.5002	.5064	.4918	.5109	.5253	.4887
118 BIT-SUBMANDIB ARC	.4553	.6037	.5535	.5351	.5257	.5576	.5189	.5286	.4950	.5244	.5417	.4972	.5277	.5379	.5098
119 BIT-POSTERIOR ARC	.4436	.6068	.5421	.5155	.5185	.5332	.4887	.4881	.4517	.5183	.5373	.4737	.4920	.4743	.4741
120 HEAD LENGTH	.2029	.2730	.2598	.2139	.1890	.2321	.2205	.2573	.2388	.2181	.2165	.2188	.2619	.2709	.2342
121 MAX HEAD DIAG/MENT	.3211	.4399	.4087	.3470	.3060	.3585	.3416	.4025	.3726	.3391	.3350	.3547	.4123	.3991	.3681
122 MAX HEAD DIAG/NUCH	.4234	.5640	.5150	.5009	.4937	.5211	.5098	.4919	.4640	.4881	.4871	.4583	.4850	.4710	.4789
123 EAR LENGTH	.2099	.2191	.2320	.2756	.3089	.3042	.2982	.3436	.3363	.2411	.2376	.2337	.3021	.2741	.2670
124 EAR LGTH ABOVE TRG	.0856	.1033	.1238	.1414	.1509	.1430	.1542	.1913	.1935	.1031	.1020	.1151	.1695	.1285	.1431
125 EAR BREADTH	.1109	.1315	.1485	.1515	.1418	.1501	.1611	.1561	.1424	.1379	.1388	.1348	.2000	.1555	.1525
126 EAR PROTRUSION	.0386	.0402	.0708	.0699	.1003	.0932	.0933	.1219	.1220	.0481	.0403	.0558	.0869	.0468	.0814
127 HEAD BREADTH	.2754	.3883	.3284	.3148	.3359	.3241	.3159	.3241	.3288	.3326	.2002	.2079	.2656	.2357	.2362
128 AGE	.1599	.2533	.2474	.2517	.2888	.2810	.2691	.3288	.3376	.3502	.3910	.3522	.3929	.3985	.3377
129 BITRAGON DIAMETER	.3110	.4110	.3891	.3630	.3770	.3916	.3565	.3633	.3376	.3502	.3910	.3522	.3929	.3985	.3377
130 BIZYGOMATIC DIAM	.4023	.5207	.4910	.4703	.4777	.4815	.4531	.4257	.3954	.4585	.4846	.4579	.4630	.4693	.4366
131 MAX FRONTAL DIAM	.3142	.3990	.3702	.3343	.3409	.3572	.3233	.3301	.3109	.3515	.3783	.3536	.3788	.3829	.3382
132 BIGONIAL DIAMETER	.3556	.4341	.3929	.3369	.4006	.4166	.4079	.4001	.3787	.3833	.3978	.3711	.3983	.4053	.3854
133 BIOCLAR DIAMETER	.2516	.3225	.3140	.2160	.2013	.2489	.2273	.1837	.1502	.2792	.2978	.2840	.2927	.2588	.2588
134 INTERPILLARY DST	.1791	.2127	.2106	.1255	.1193	.1634	.1176	.1177	.1008	.1857	.2339	.2088	.2467	.2505	.1668
135 INTEROCULAR DIAM	.1271	.1655	.1455	.0814	.0611	.0923	.0710	.0478	.0255	.1315	.1442	.1481	.1501	.1712	.1285

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	51	52	53	54	55	56	57	58	59	70	71	72	73	74	75
136 NASAL ROOT BREADTH	.1109	.1451	.1414	.0725	.0400	.0833	.0693	.0398	.0208	.1176	.1420	.1394	.1650	.1677	.1221
137 NASAL BREADTH	.1593	.1820	.1631	.0454	-.0100	.0477	.0213	-.0465	-.0904	.1393	.1507	.1730	.1424	.1631	.1077
138 NOSE PROTRUSION	.0462	.0686	.0994	.0894	.0972	.1211	.0830	.1951	.2162	.0469	.0805	.0632	.1337	.1136	.0910
139 PHILTRUM LENGTH	.1149	.1410	.1198	.0961	.0662	.0788	.0995	.0774	.0626	.1055	.0670	.1162	.1029	.0743	.0982
140 LIP-LIP DISTANCE	.0798	.0212	.0553	-.0464	-.1078	-.0467	-.0784	-.1097	-.1352	.0345	.0512	.0637	.0653	.0793	.0256
141 LIP LENGTH	.1680	.1990	.1613	.1129	.0779	.1067	.0515	.0802	.0609	.1449	.1857	.1598	.1433	.1921	.1410
142 LIP LENGTH SMILING	.1829	.1858	.1851	.1432	.1189	.1410	.0939	.1246	.1185	.1644	.1902	.1829	.1695	.1919	.1654
143 MENTON-SUBNASAL L	.1332	.1426	.1456	.0874	.0558	.0891	.0730	.0952	.0865	.1082	.1040	.1377	.1384	.1494	.1244
144 MENTON-NASAL RT DP	.1495	.1998	.2013	.1342	.1112	.1467	.1312	.2096	.2116	.1259	.1295	.1637	.2067	.1975	.1671
145 SUBNAS-NAS RT DPTH	.0431	.0846	.1051	.0689	.0733	.0973	.0934	.1846	.2015	.0380	.0468	.0625	.1461	.1028	.0936
146 VERTEX-GLABELLA HT	.0486	.1157	.0691	.0530	.0413	.0627	.0582	.0770	.0621	.0547	.0431	.0384	.0521	.0575	.0925
147 VERTEX-NASAL RT DP	.0557	.1089	.0721	.0421	.0322	.0584	.0474	.0658	.0502	.0580	.0485	.0618	.0660	.0784	.0951
148 VERTEX-EXT CANT HT	.0885	.2035	.1191	.0866	.0930	.1112	.1013	.1038	.0870	.1045	.0939	.1035	.1084	.1134	.1455
149 VERTEX-PRONASALE H	.0035	.0861	.0409	.0102	.0094	.0237	.0181	.0661	.0612	-.0006	-.0036	.0124	.0398	.0334	.0625
150 VERTEX-STONTION HT	.0809	.1605	.1252	.0628	.0365	.0764	.0602	.1147	.1035	.0695	.0635	.0914	.1243	.1216	.1357
151 VERTEX-MENTON HT	.1358	.2222	.1880	.1168	.0880	.1317	.1124	.1731	.1620	.1243	.1176	.1532	.1812	.1814	.1835
152 VERTEX-TRACION HT	.1542	.2451	.1753	.1488	.1837	.2049	.1912	.2304	.2197	.1650	.1598	.1784	.2063	.1937	.2193
153 WALL-GLABELLA DIST	.2467	.3164	.2961	.2606	.2373	.2802	.2651	.2924	.2712	.2672	.2629	.2614	.2953	.3087	.2725
154 WALL-NAS RT DEP DT	.2491	.3225	.3025	.2743	.2551	.2959	.2853	.3203	.3021	.2715	.2681	.2643	.3107	.3181	.2835
155 WALL-EX CANT DIST	.2222	.2584	.2624	.2295	.1990	.2446	.2360	.2292	.2129	.2476	.2406	.2369	.2756	.2786	.2472
156 WALL-PRONASALE DST	.2867	.3484	.3494	.3211	.3010	.3468	.3302	.3695	.3538	.3114	.3075	.3098	.3723	.3686	.3222
157 WALL-STOMION DIST	.3138	.3458	.3439	.2910	.2429	.3021	.2795	.2714	.2425	.3236	.3161	.3268	.3518	.3665	.3035
158 WALL-MENTON DIST	.3576	.4310	.4276	.4253	.4066	.4386	.4213	.4249	.3990	.4042	.4055	.3824	.4273	.4276	.3686
159 WALL-TRACION DIST	.1716	.1431	.1655	.1545	.1268	.1537	.1586	.1714	.1702	.1685	.1598	.1507	.1843	.1900	.1577
169 WEIGHT REPORTED	.8027	.7475	.8501	.8452	.8685	.9207	.8906	.8120	.7482	.8959	.8976	.8592	.8577	.8613	.8484
170 STATURE REPORTED	.2627	.1973	.3374	.2757	.2819	.3723	.3361	.6303	.6401	.2308	.2462	.2666	.4827	.4532	.2896

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965															
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1 AGE	-0186	.1647	.1316	.1251	.0937	.0782	.1176	.1266	.0241	.1443	.1107	.0712	-.0436	-.0414	.0317
2 WEIGHT	.7368	.8386	.8433	.8085	.8307	.5888	.8367	.7725	.6740	.5552	.6145	.5905	-.1035	.0525	.1667
3 SKF SUBSCAPULAR	.4091	.5699	.6432	.5367	.5387	.2733	.5388	.4754	.3380	.3386	.2583	.2138	-.2464	-.0391	-.0057
4 SKF TRICEPS	.4221	.4562	.5857	.5200	.4488	.2355	.4414	.3874	.2647	.3008	.2120	.1452	-.2395	-.1134	-.0303
5 SKF JUXTA NIPPLE	.3148	.3901	.4365	.3398	.3632	.1932	.3548	.3295	.2272	.2840	.1807	.1292	-.1474	-.0962	.0208
6 SKF MAL XIPHOID	.4100	.5635	.6420	.5841	.5051	.2368	.5000	.4377	.2899	.3422	.2280	.1694	-.2492	-.0843	-.0563
7 SKF SUPRA ILIAC	.4248	.5550	.6380	.5885	.4923	.2552	.4361	.4473	.2996	.3547	.2258	.1621	-.2075	-.0549	-.0784
8 SKF DORSAL HAND	.2882	.3128	.3319	.3041	.3146	.1383	.3225	.2847	.2947	.1606	.1523	.1461	-.1567	-.0351	-.0575
9 GRIP STRENGTH	.3434	.4595	.4306	.4649	.5062	.4727	.5530	.5592	.4995	.3382	.3954	.4231	.0162	.1446	.1382
10 HEIGHT (STATURE)	.3968	.3590	.1320	.1335	.3498	.3695	.2932	.2488	.4575	.2621	.6935	.7687	.3416	.2689	.3464
11 CERVICALE HEIGHT	.3930	.3625	.1327	.1292	.3466	.3660	.2862	.2425	.4444	.2576	.6989	.7763	.3054	.1412	.3547
12 SHOULDER(ACROM) HT	.3889	.3794	.1388	.1335	.3438	.3533	.2834	.2437	.4370	.2584	.6683	.7530	.2786	.1865	.2315
13 ELBOW (RADIALE) HT	.3945	.3493	.1600	.1502	.3421	.3452	.2820	.2203	.4146	.2602	.5737	.6554	.2662	.1784	.2196
14 WRIST (STYLION) HT	.3777	.3133	.1537	.1462	.3099	.3333	.2591	.2205	.3570	.2486	.4662	.5145	.2633	.1746	.1748
15 DACTYLION HEIGHT	.3453	.2689	.1258	.1104	.2441	.2276	.1943	.1614	.2735	.2188	.3946	.4176	.2530	.1488	.1094
16 SUPRATERNALE HT	.3916	.3632	.1460	.1470	.3549	.3772	.3055	.2558	.4652	.2590	.6902	.7791	.2361	.2292	.3176
17 CHEST (NIPPLE) HT	.3098	.2580	.0395	.0438	.2836	.3143	.2055	.1678	.3915	.1937	.6260	.7295	.2711	.2336	.2820
18 WAIST HEIGHT (NIPPLE)	.2874	.2485	.0298	.0403	.2253	.3118	.1982	.1591	.3734	.1775	.6282	.7389	.2731	.1957	.2855
19 ILIOCRISTALE HT	.3121	.2911	.0745	.0801	.2860	.3249	.2307	.1836	.4051	.1984	.6414	.7601	.2176	.1639	.1955
20 TROCHANTERIC HT	.2743	.2537	.0439	.0487	.2290	.3064	.2021	.1588	.3660	.1595	.6030	.7328	.2057	.1364	.1912
21 BUTTOCK HEIGHT	.2640	.2431	.0497	.0521	.2649	.2963	.2015	.1541	.3495	.1487	.5827	.7099	.1970	.1517	.3105
22 CROTCH HEIGHT	.2456	.2172	.0107	.0164	.2304	.2833	.1710	.1272	.3354	.1364	.5915	.7248	.2300	.1497	.2581
23 GLUTEAL FURROW HT	.2886	.2084	.0050	.0118	.2233	.2741	.1640	.1205	.3270	.1289	.5849	.7213	.2107	.1390	.2503
24 PATELLA TOP HEIGHT	.3064	.2785	.0727	.0787	.2931	.3244	.2341	.1930	.3951	.1799	.6039	.7259	.2096	.1428	.2715
25 PATELLA BOTTOM HT	.2951	.2643	.0731	.0801	.2779	.3054	.2257	.1847	.3739	.1616	.5824	.7094	.2002	.1657	.2443
26 CALF HEIGHT	.2109	.2270	.0789	.0861	.2591	.2739	.2144	.1671	.3194	.1467	.4998	.6031	.1924	.1441	.3568
27 ANKLE HEIGHT	-.0108	.1151	.0060	.0192	.1252	.1387	.0352	.0777	.1845	.0630	.2244	.3205	.0236	-.0047	-.2377
28 MED'L MALLEOLUS HT	.3422	.2454	.1196	.1150	.2779	.2164	.2284	.1931	.3434	.1789	.3334	.3103	.1860	.1264	.1623
29 LAT'L MALLEOLUS HT	.2064	.1599	.0425	.0358	.1681	.1261	.1257	.0831	.2277	.0882	.2432	.2540	.1654	.1727	.1315
30 SPHYRIUM HEIGHT	.1983	.1294	.0132	.0276	.1610	.1302	.1221	.0931	.2521	.0953	.2270	.2410	.1539	.1766	.0608
31 SITTING HEIGHT	.3839	.3403	.1681	.1686	.3036	.2961	.2745	.2525	.3900	.2980	.5046	.4805	.3680	.2936	.3037
32 EYE HEIGHT SITTING	.3552	.3195	.1470	.1520	.2318	.2824	.2330	.2370	.3673	.2918	.4952	.4811	.3390	.2590	.2787
33 MID SHOULDER HT/S	.3767	.3769	.1958	.1801	.3115	.2385	.2781	.2533	.3662	.2825	.4756	.4580	.2835	.1304	.2077
34 ELBOW REST HT SIT	.1871	.1533	.1260	.1067	.1115	.0563	.1009	.1031	.1057	.1551	-.0107	-.0585	.1289	.0333	-.0635
35 KNEE HEIGHT SIT	.4313	.4050	.2167	.2167	.4246	.4149	.3888	.3179	.4925	.2448	.6732	.7959	.1425	.1209	.2703
36 POPLITEAL HT/SIT	.2383	.2115	-.0007	.0112	.2267	.2889	.1700	.1350	.3499	.1160	.5755	.7223	.1895	.1320	.2607
37 BUTTOCK KNEE LENGTH	.4703	.5056	.3858	.3674	.5110	.4312	.4752	.4077	.4973	.3222	.6632	.7487	.0617	.1102	.2172
38 BUTTOCK POP LENGTH	.3910	.4396	.3333	.3162	.4502	.3814	.4080	.3434	.4155	.2856	.6085	.6933	.0487	.0886	.1900
39 SHOULDER-ELBOW LTH	.2988	.3805	.0790	.0831	.2933	.3471	.2489	.2108	.4031	.2069	.7505	.8133	.2230	.1564	.2244
40 ELBOW WRIST LENGTH	.2810	.3466	.1692	.1738	.3750	.3390	.3159	.2785	.4522	.2291	.6069	.7747	.1159	.0730	.2272
41 FUNCTIONAL REACH	.2972	.3419	.1516	.1449	.3381	.3199	.2917	.2455	.4279	.2549	.6143	.7035	.1478	.1163	.2673
42 SLEEVE INSEAM	.1452	.1310	-.0906	-.0824	.1287	.2216	.0736	.0382	.2875	.0585	.6099	.7373	.2584	.1761	.3017
43 BIACROMIAL BREADTH	.3482	.4266	.3567	.3715	.4358	.3654	.4433	.4027	.4365	.4579	.5744	.5442	.0860	.1118	.5270
44 BIDEULTOID BREADTH	.5543	.7733	.7621	.7554	.7361	.5430	.7556	.7151	.5743	.6546	.6098	.5430	-.0890	.0187	.2788
45 CHEST BREADTH/SKIN	.5588	.7317	.7303	.7089	.6716	.4627	.6810	.6402	.4963	.5973	.5026	.4300	-.0816	.0011	.1316

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 CHEST BREADTH/BONE	.4998	.6238	.6173	.6074	.5888	.4330	.5973	.5661	.4647	.5722	.4738	.4119	-.0656	.0084	.1220
47 WAIST BROTH (OMP)	.5931	.7157	.7155	.6704	.6552	.4084	.6409	.5789	.4845	.4765	.4755	.4158	-.1242	-.0401	.0879
48 BI-ILIORISTALE	.5924	.7146	.7134	.6675	.6512	.4062	.6303	.5780	.4657	.4854	.4755	.4077	-.1166	-.0324	.1170
49 HIP BREADTH	.6492	.6945	.6803	.6367	.6617	.4402	.6438	.5787	.5115	.4605	.5295	.4846	-.0524	.0226	.1533
50 HIP BREADTH SIT	.6544	.7097	.7146	.6656	.6640	.4269	.6521	.5888	.4974	.4615	.5047	.4479	-.0925	.0043	.1227
51 BIROCHANCER/BONE	.5983	.6103	.5178	.4871	.5759	.4125	.5454	.4811	.5123	.4158	.5673	.5365	.0497	.0846	.2101
52 ELBOW BREADTH	.4259	.4809	.4597	.4579	.5611	.4484	.5665	.5148	.5481	.3492	.3935	.4062	.0217	.0807	.1327
53 MAX F*ARM-F*ARM BR	.4750	.6691	.7196	.6931	.6336	.4448	.6540	.6367	.4303	.4964	.3596	.2865	-.1458	-.1122	.0510
54 WRIST BREADTH	.4320	.4285	.3475	.3644	.5129	.4491	.5135	.4734	.6989	.2775	.3753	.4224	.0901	.2007	.2076
55 KNEE BREADTH	.6089	.5600	.4688	.4532	.5966	.4686	.5711	.5175	.6261	.3940	.5098	.4889	.0666	.1013	.2007
56 KNEE-KNEE BR SIT	.6161	.5960	.6336	.5921	.6110	.3977	.6146	.5549	.5040	.3882	.3766	.3435	-.1392	-.0092	.0856
57 CHEST DEPTH	.5500	.7139	.7612	.7335	.6814	.4567	.6977	.6567	.4853	.4524	.3965	.3531	-.1671	-.0486	.0139
58 WAIST DEPTH (OMP)	.5430	.6917	.7468	.6957	.6680	.4118	.6767	.6156	.4848	.4436	.3894	.3438	-.2029	-.0214	.0437
59 ABDOMINAL DPTH/SIT	.5455	.6576	.7008	.6478	.6390	.3880	.6342	.5689	.4671	.4223	.3893	.3520	-.1804	-.0264	.0540
60 BUTTOCK DEPTH	.5973	.7104	.7774	.7344	.7083	.4454	.7156	.6509	.5051	.4502	.3966	.3590	-.2371	-.0360	.0609
61 THIGH CLEAR HT SIT	.5738	.6721	.7488	.7110	.6780	.4593	.6905	.6443	.4925	.4115	.3738	.3300	-.0823	.0066	.1268
62 NECK CIRC MAXIMUM	.5046	.7466	.7599	.7418	.7000	.4923	.7470	.7053	.5431	.4804	.3758	.3324	-.1963	-.0474	.0501
63 SHOULDER CIRC	.5873	.8006	.8234	.8172	.7904	.5617	.8130	.7659	.6110	.6403	.6031	.5449	-.1190	.0482	.2330
64 CHEST CIRCUMFERENCE	.5793	.7713	.8137	.7956	.7425	.5199	.7591	.7228	.5403	.5984	.5008	.4412	-.1408	-.0070	.0879
65 WAIST CIRC (OMPH)	.5926	.7377	.7634	.7144	.6868	.4252	.6803	.6188	.4846	.4902	.4543	.3950	-.1751	-.0574	.0633
66 BUTTOCK CIRC	.6803	.7735	.7924	.7482	.7460	.4966	.7463	.6794	.5548	.4917	.5160	.4740	-.1379	.0161	.1162
67 BUTTOCK CIRC/SIT	.6563	.7485	.7717	.7280	.7112	.4652	.7151	.6489	.5363	.4826	.4828	.4368	-.1488	.0138	.0942
68 VERTICAL TRUNK CIRC	.6199	.6931	.5994	.5718	.6491	.4933	.6310	.5854	.5780	.4771	.5930	.5527	.1037	.1248	.2198
69 VERT TRUNK CIRC SIT	.5808	.6450	.5308	.5071	.6029	.4632	.5782	.5318	.5403	.4597	.5870	.5448	.1593	.1394	.2280
70 UPPER THIGH CIRC	.6474	.7456	.8562	.8134	.7479	.4812	.7688	.7125	.5166	.4753	.4130	.3679	-.2250	-.0413	.0636
71 THIGH CIRC SITTING	.6427	.7485	.8386	.7954	.7448	.4803	.7616	.7029	.5246	.4743	.4159	.3767	-.2153	-.0255	.0615
72 LOWER THIGH CIRC	.6864	.7102	.7961	.7629	.7506	.4994	.7610	.7107	.5729	.4551	.4189	.3893	-.1745	-.0181	.0621
73 KNEE CIRCUMFERENCE	.7394	.6978	.6859	.6518	.7359	.5016	.7292	.6451	.6595	.4513	.5419	.5349	-.0538	.1123	.1629
74 KNEE CIRC SITTING	.7249	.7055	.6987	.6570	.7288	.5135	.7257	.6498	.6277	.4453	.5308	.5213	-.0873	.0305	.1444
75 CALF CIRCUMFERENCE	.7821	.6865	.7694	.7326	.7256	.4898	.7535	.7052	.5704	.4423	.4414	.4209	-.0121	.0658	.1825
76 ANKLE CIRCUMFERENCE	.5772	.5922	.5886	.5586	.6589	.4505	.6408	.5923	.6496	.3682	.4441	.4209	-.0121	.0658	.1825
77 SCYE CIRCUMFERENCE	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921
78 BICEPS CIRC EXT	.5922	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921
79 BICEPS CIRC FLEXED	.5922	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921	.7921
80 ELBOW CIRC EXT	.6589	.7813	.8195	.8176	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699
81 ELBOW CIRC FLEXED	.6505	.5937	.5779	.6406	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699	.6699
82 FOREARM CIRC EXT	.6408	.8092	.8698	.8688	.9225	.6968	.9225	.8698	.8688	.9225	.6968	.9225	.8698	.8688	.9225
83 FOREARM CIRC FLEXED	.5923	.7643	.8316	.8563	.8385	.7916	.9237	.8316	.8563	.8385	.7916	.9237	.8316	.8563	.8385
84 WRIST CIRCUMFERENCE	.6496	.6331	.5820	.5813	.7328	.5799	.7327	.6772	.6772	.5103	.4506	.4280	-.1453	.0458	.1218
85 SL SPINE/SCYE	.3682	.5360	.5279	.5298	.5298	.4059	.7327	.6772	.6772	.5103	.4506	.4280	-.1453	.0458	.1218
86 SL SPINE-ELBOW	.4441	.5885	.3862	.3918	.5170	.4735	.4967	.4506	.5176	.6497	.9313	.9313	.1391	.1204	.3947
87 SL SPINE-WRIST	.4209	.5439	.3351	.3446	.5083	.4839	.4763	.4280	.5048	.5354	.9313	.9313	.1391	.1204	.3947
88 ANTERIOR NECK LGTH	-.0121	-.1189	-.2291	-.2135	-.1321	-.0151	-.1464	-.1453	-.0083	-.0176	.1391	.1204	.3947	.3179	.3142
89 POSTERIOR NECK LGTH	.0658	.0206	-.0203	-.0033	.0602	.0748	.0696	.0458	.1502	.0355	.1204	.1169	.3179	.3179	.2209
90 SHOULDER LENGTH	.1825	.1087	.0604	.0754	.1511	.1642	.1421	.1218	.1903	.2161	.3947	.3173	.3142	.2209	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91 DELTOID ARC	.1738	.2780	-.0053	.0003	.1738	.2153	.1373	.1230	.2821	.1808	.5008	.5251	.1778	.1145	.0430
92 INTERSCYE MAXIMUM	.3857	.4932	.5331	.5277	.5096	.3787	.5125	.4858	.3954	.5652	.3999	.3433	-.0273	-.0023	.2230
93 INTERSCYE FRONT	.4740	.6350	.6018	.5985	.4493	.6091	.5800	.5068	.6834	.5448	.4924	.3433	-.0579	.0402	.1869
94 WAIST FRONT	.4190	.4691	.4195	.3943	.4629	.3194	.4386	.3968	.4109	.2873	.3635	.3393	-.0450	.1841	.1785
95 CROTCH LENGTH	.5836	.6458	.6409	.6072	.6250	.4216	.6258	.5705	.5113	.4154	.4469	.4106	-.0760	.0652	.1121
96 WAIST BACK	.3648	.3344	.1973	.1817	.2982	.2562	.2538	.2273	.3172	.2424	.4613	.4286	.2959	-.0128	.3139
97 FOOT LENGTH	.4713	.3743	.2195	.2274	.4297	.4180	.4037	.3580	.5372	.2557	.5635	.6583	.1461	.1576	.2552
98 BALL-OF-FOOT LENGTH	.4262	.3603	.2231	.2289	.3948	.3862	.3784	.3315	.4738	.2233	.5020	.5935	.1154	.1736	.2291
99 BALL-OF-FOOT BIRTH	.5618	.4586	.4129	.4196	.5315	.4248	.5334	.4875	.5950	.3076	.4480	.4817	.0129	.1121	.2058
100 BI-MALLEOLAR BIRTH	.5715	.4474	.3235	.3175	.4578	.4354	.4537	.4245	.5301	.2987	.4752	.4890	.1229	.1155	.2245
101 BALL-OF-FOOT GIRTH	.6320	.5199	.4522	.4494	.5885	.4764	.5876	.5341	.6675	.3263	.4886	.5205	.0512	.1511	.2293
102 INSTEP CIRCUMF"NCE	.6475	.5241	.4615	.4517	.6083	.4847	.5968	.5417	.6805	.3494	.5259	.5703	-.0004	.0743	.2151
103 HEEL-ANKLE CIRCUMF	.6855	.5411	.4309	.4289	.6130	.5166	.5875	.5295	.6919	.3667	.6115	.6702	.0606	.1304	.2582
104 HAND LENGTH	.3071	.3098	.1550	.1656	.3676	.3819	.3361	.2983	.4998	.2108	.5147	.6195	.1367	.1464	.2842
105 PALM LENGTH	.2539	.2510	.1277	.1328	.3127	.3170	.2769	.2352	.4229	.1756	.4480	.5319	.1276	.1387	.2655
106 HAND BREADTH/META	.4567	.4941	.4232	.4396	.5581	.5030	.5714	.5528	.6532	.3186	.4158	.4477	.0147	.1344	.1813
107 HAND CIRC/META	.5102	.5407	.4666	.4775	.6145	.5434	.6376	.6022	.7424	.3576	.4699	.5099	.0282	.1344	.1961
108 HAND CIRC/THUMB	.5449	.6209	.5627	.5792	.6906	.5926	.7341	.7006	.7731	.4132	.5041	.5336	.0111	.1737	.2067
109 THICKNESS META/III	.3562	.3986	.3610	.3627	.4434	.3705	.4528	.4291	.4858	.2458	.2838	.2917	-.0257	.0809	.1068
110 FINGER DIAM III	.4131	.4705	.3928	.4071	.5396	.4598	.5533	.5199	.6508	.3113	.3989	.4388	.0086	.1381	.1487
111 HEAD CIRCUMFERENCE	.3415	.3656	.3613	.3514	.3889	.2809	.4059	.3618	.3586	.2434	.2383	.2398	-.0587	.0230	.1037
112 SAGITTAL ARC	.1488	.1041	.0792	.0795	.1258	.0941	.1202	.0960	.1483	.0917	.1515	.1696	.0192	-.1008	-.0253
113 MINIMUM FRONTL ARC	.1550	.1893	.1746	.1772	.1914	.1618	.2036	.1892	.2157	.1135	.1119	.1587	.0590	-.0149	-.2902
114 BIT-CORONAL ARC	.3223	.2642	.2559	.2473	.2776	.1878	.2730	.2377	.2730	.1895	.2425	.2374	-.0076	.0190	.0895
115 BIT-MIN FRONTAL A	.4007	.4015	.3758	.3605	.4160	.3243	.4181	.3886	.4065	.2845	.3432	.3609	.0455	.0136	.1243
116 BIT-SUBNASAL ARC	.4168	.4844	.4804	.4709	.5151	.3878	.5297	.4904	.4702	.3297	.3577	.3910	-.1550	.0237	.0933
117 BIT-MENTON ARC	.4305	.5351	.5047	.4980	.5527	.4187	.5659	.5225	.4963	.3857	.4147	.4273	.1360	.0409	.1334
118 BIT-SUBMANDIB ARC	.4401	.5560	.5125	.5015	.5468	.3904	.5644	.5121	.4722	.3745	.3862	.3839	-.0481	.0609	.0673
119 BIT-POSTERIOR ARC	.3835	.5117	.5062	.4895	.4941	.3268	.5141	.4714	.3869	.3015	.2870	.2594	-.0481	.0609	.0673
120 HEAD LENGTH	.2374	.2470	.2273	.2256	.2761	.2322	.2941	.2617	.2928	.1657	.2369	.2679	.0058	.0704	.1199
121 MAX HEAD DIAG/MENT	.3701	.3867	.3406	.3431	.4233	.3231	.4231	.3741	.4111	.2739	.3567	.3885	-.0414	.0952	.1637
122 MAX HEAD DIAG/NUCH	.4238	.5175	.4776	.4619	.4879	.3584	.5087	.4675	.4295	.3549	.3599	.3533	-.0416	.0434	.0983
123 EAR LENGTH	.2617	.2685	.2166	.1961	.2338	.1810	.2176	.1921	.2201	.1884	.2295	.2028	.0450	.0764	.0908
124 EAR LGTH ABOVE TRG	.1379	.1439	.1226	.1216	.1360	.1015	.1377	.1200	.1386	.0874	.1172	.1278	.0240	.0831	.0504
125 EAR BREADTH	.1497	.1439	.1226	.1216	.1360	.1015	.1377	.1200	.1386	.0874	.1172	.1278	.0240	.0831	.0504
126 EAR PROTRUSION	.1045	.0769	.0504	.0506	.0718	.0581	.0575	.0649	.0809	.0704	.0781	.0497	.0307	.0559	.0606
127 HEAD BREADTH	.2741	.2959	.3061	.2877	.2841	.1722	.2967	.2694	.2385	.2076	.1840	.1453	-.0835	-.0796	.0162
128 AGE	.2556	.2453	.1969	.1830	.2141	.1556	.2093	.1939	.2236	.1793	.1921	.1475	.0749	.0427	.0658
129 BITRAGON DIAMETER	.3132	.3671	.3400	.3203	.3591	.2322	.3569	.3284	.3382	.2261	.2394	.2233	.0302	-.0120	.0285
130 BIZYGOMATIC DIAM	.3849	.4740	.4673	.4408	.4620	.3302	.4757	.4460	.4100	.3255	.3180	.3015	-.1003	-.0517	.0407
131 MAX FRONTAL DIAM	.3139	.3619	.3487	.3223	.3748	.2718	.3823	.3456	.3362	.2754	.2662	.2754	-.0472	.0142	.0797
132 BIGONIAL DIAMETER	.3787	.4063	.3882	.3666	.3964	.2989	.4170	.3841	.3612	.2526	.2711	.2523	.0010	-.0016	.0246
133 BIOCLULAR DIAMETER	.2300	.2674	.2855	.2856	.3159	.2218	.3379	.2975	.3076	.1371	.1903	.2493	.0887	.0848	.0647
134 INTERPUPILLARY DST	.1460	.1991	.1827	.1781	.2200	.1758	.2445	.2179	.2250	.0900	.1530	.2108	-.0449	.0539	.0711
135 INTEROCULAR DIAM	.1210	.1496	.1456	.1452	.1650	.1401	.1941	.1746	.1768	.0515	.0832	.1328	-.0998	-.0015	.0124

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
136 NASAL ROOT BREADTH	.1192	.1140	.1295	.1351	.1601	.1155	.1825	.1540	.1773	.0429	.0561	.1060	-.0687	.0641	.0375
137 NASAL BREADTH	.0646	.1279	.1683	.1735	.2143	.1641	.2448	.2172	.2163	.0463	.0664	.1623	-.1612	-.0074	.0326
138 NOSE PROTRUSION	.1138	.0995	.0153	.0198	.0719	.0746	.0709	.0686	.1125	.0714	.1168	.0990	.1582	.1128	.0808
139 PHILTRUM LENGTH	.1096	.1136	.1280	.1318	.1506	.1201	.1584	.1392	.1351	.0473	.0564	.0905	-.0874	-.0345	.0071
140 LIP-LIP DISTANCE	-.0037	.0080	.0412	.0486	.0898	.0760	.1123	.0936	.1207	-.0245	.0412	.1462	-.1004	.0576	.0520
141 LIP LENGTH	.1261	.1652	.1666	.1614	.1842	.1564	.2061	.1962	.1864	.0915	.0918	.1286	-.0421	.0085	.0546
142 LIP LENGTH SMILING	.1459	.1643	.1737	.1842	.1884	.1625	.1956	.1942	.1715	.1009	.0984	.1117	-.0314	.0423	.0607
143 MENTON-SUBNASAL L	.1361	.1458	.1170	.1175	.1900	.1657	.1900	.1711	.2058	.1114	.1560	.2099	-.0898	-.0182	.0183
144 MENTON-NASAL RT DP	.1911	.2041	.1340	.1421	.2314	.2173	.2344	.2156	.2706	.1645	.2409	.2874	-.0230	.0120	.0890
145 SUBNAS-NAS RT DPTH	.1222	.1126	.0282	.0396	.1145	.1147	.1111	.1000	.1481	.0902	.1744	.1856	.0950	.0829	.1029
146 VERTEX-GLABELLA HT	.0734	.0496	.0785	.0718	.0648	.0389	.0816	.0727	.0661	.0490	.0209	-.0087	-.0077	.1013	.0770
147 VERTEX-NASAL RT DP	.0823	.0504	.0790	.0726	.0817	.0595	.0938	.0830	.0889	.0482	.0378	.0352	-.0385	.0960	.0435
148 VERTEX-EXT CANT HT	.1190	.1006	.1322	.1236	.1256	.0797	.1385	.1207	.1232	.0629	.0415	.0260	-.0449	.0771	.0422
149 VERTEX-PRONASALE H	.0548	.0246	.0304	.0314	.0412	.0379	.0612	.0583	.0708	.0511	.0332	.0205	-.0015	.0969	.0484
150 VERTEX-STOMION HT	.1349	.1015	.0988	.1037	.1427	.1223	.1630	.1486	.1738	.0944	.1056	.1198	-.0319	.1179	.0877
151 VERTEX-MENTON HT	.1852	.1708	.1492	.1553	.2175	.1844	.2308	.2100	.2456	.1467	.1740	.2003	-.0579	.0803	.0830
152 VERTEX-TRAGION HT	.2155	.1524	.1657	.1490	.1670	.1006	.1676	.1421	.1766	.0969	.1321	.1113	.0468	.0520	.0742
153 WALL-GLABELLA DIST	.2677	.2901	.2730	.2683	.3198	.2604	.3326	.3015	.3206	.1970	.2622	.2893	-.0255	.0331	.1157
154 WALL-NAS RT DEP DT	.2880	.3018	.2752	.2720	.3249	.2708	.3351	.3040	.3347	.2034	.2771	.2994	.0072	.0429	.1193
155 WALL-EX CANT DIST	.2214	.2305	.2432	.2387	.2913	.2227	.3053	.2677	.2788	.1417	.2242	.2656	-.0428	.0579	.1007
156 WALL-PRONASALE DST	.3226	.3396	.2923	.2870	.3631	.2857	.3640	.3211	.3676	.2235	.3275	.3567	.0287	.0394	.1305
157 WALL-STOMION DIST	.2764	.3190	.3087	.3045	.3723	.2797	.3759	.3281	.3561	.1916	.2901	.3544	-.0685	.0012	.1200
158 WALL-MENTON DIST	.3465	.4144	.3756	.3633	.4145	.2917	.4037	.3556	.3638	.2542	.3524	.3678	-.0016	-.0083	.1371
159 WALL-TRAGION DIST	.1419	.1475	.1479	.1441	.1841	.1361	.1852	.1546	.1748	.0899	.1686	.1917	.0245	.0328	.0859
169 WEIGHT REPORTED	.7230	.8250	.8305	.7947	.8119	.5907	.8191	.7567	.6600	.5465	.6128	.5886	-.1038	.0409	.1720
170 STATURE REPORTED	.4020	.3742	.1606	.1632	.3662	.3754	.3129	.2693	.4662	.2846	.6876	.7505	.3322	.2458	.3355

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1 AGE	.0041	.0547	.1155	.0858	.0801	.0742	-.0125	-.0299	.0221	-.0095	.0082	.0172	-.0013	.0015	.0160
2 WEIGHT	.2125	.5585	.6594	.5731	.7800	.4325	.4732	.4503	.5584	.5085	.6209	.6395	.6713	.3530	.2950
3 SKF SUBSCAPULAR	.0105	.3767	.4164	.3604	.5483	.1692	.1182	.1255	.2500	.1540	.2697	.2867	.2842	.0402	.0368
4 SKF TRICEPS	-.0692	.2927	.3385	.2823	.5163	.1430	.0532	.0656	.1796	.1470	.1909	.2208	.1993	-.0105	-.0130
5 SKF JUXTA NIPPLE	-.0122	.2644	.3022	.2458	.3754	.1590	.0437	.0274	.1507	.1283	.1510	.1636	.1495	.0118	.0230
6 SKF MAL XIPHOID	-.0448	.3636	.4414	.3440	.5685	.1538	.0531	.0734	.1986	.1127	.2104	.2323	.2146	-.0295	-.0162
7 SKF SUPRA ILIAC	-.0536	.3683	.4394	.3352	.5900	.1873	.0402	.0540	.1374	.1262	.2116	.2081	.1970	-.0453	-.0421
8 SKF DORSAL HAND	.0396	.1805	.2260	.1912	.2936	.0304	.0921	.0862	.1831	.1526	.2070	.2101	.1985	.0624	.0421
9 GRIP STRENGTH	.2007	.2740	.3651	.2112	.2985	.1577	.4058	.3696	.3746	.3621	.4291	.4126	.4439	.3981	.3338
10 HEIGHT (STATURE)	.5199	.2012	.3119	.4468	.3806	.6130	.6838	.6076	.4359	.4995	.5005	.5364	.6549	.6241	.5416
11 CERVICALE HEIGHT	.5221	.2067	.3032	.4165	.3732	.6465	.6857	.6095	.4321	.4902	.4909	.5372	.6546	.6263	.5452
12 SHOULDER(ACROM) HT	.5503	.1859	.2997	.4104	.3796	.5829	.6665	.5986	.4128	.4723	.4733	.5234	.6412	.6055	.5271
13 ELBOW (RADIALE) HT	.4494	.1843	.2975	.4266	.3995	.5907	.6197	.5555	.3941	.4521	.4556	.4973	.6057	.5545	.4849
14 WRIST (STYLION) HT	.3655	.1666	.2813	.4209	.3879	.5869	.5080	.4550	.3414	.3947	.4017	.4234	.5113	.4309	.3806
15 DACTYLION HEIGHT	.3167	.1389	.2473	.4100	.3918	.5709	.3958	.3492	.2715	.3289	.3326	.3482	.4183	.2557	.2353
16 SUPRASTERNAL HT	.5227	.1954	.3013	.4583	.3795	.5526	.6974	.6266	.4387	.4942	.4998	.5514	.6730	.6404	.5571
17 CHEST (NIPPLE) HT	.5309	.1192	.2203	.3695	.2895	.4838	.6713	.5936	.3898	.4417	.4448	.4975	.6186	.6304	.5472
18 WAIST HEIGHT (OMP)	.5189	.1449	.2131	.1687	.2840	.3886	.6756	.6121	.3759	.4213	.4341	.4907	.6147	.6322	.5525
19 ILIOCRISTALE	.5448	.1532	.2428	.2303	.2837	.3799	.6365	.6224	.3908	.4237	.4445	.5078	.6337	.6286	.5496
20 TROCHANTERIC HT	.5190	.1259	.1958	.2128	.2168	.3416	.6726	.6129	.3723	.3936	.4235	.5004	.6162	.6286	.5416
21 BUTTOCK HEIGHT	.4658	.1277	.1794	.2242	.1826	.3142	.6598	.6101	.3614	.3768	.4080	.4855	.6061	.6252	.5467
22 CROTCH HEIGHT	.5111	.1049	.1595	.1744	.1596	.3203	.6706	.6140	.3569	.3812	.3995	.4748	.6006	.6299	.5494
23 GLUTEAL FURROW HT	.5041	.1047	.1618	.1805	.1418	.3112	.6581	.6015	.3389	.3620	.3845	.4676	.5901	.6308	.5496
24 PATELLA TOP HEIGHT	.4926	.1589	.2258	.2285	.2254	.3596	.6757	.6148	.3901	.4219	.4529	.5226	.6455	.6366	.5533
25 PATELLA BOTTOM HT	.4720	.1416	.2110	.2190	.2240	.3443	.6598	.6066	.3799	.3921	.4453	.5053	.6309	.6186	.5347
26 CALF HEIGHT	.3638	.1559	.1723	.1825	.1858	.3099	.5726	.5236	.3116	.3214	.3684	.4381	.5327	.5588	.4860
27 ANKLE HEIGHT	.2773	.0228	.1228	.0995	.1203	.1120	.3238	.2848	.1799	.1944	.2243	.2572	.3019	.2769	.2057
28 MED"LL MALLEOLUS HT	.2406	.1330	.2212	.2434	.2580	.3954	.2329	.1351	.2695	.2976	.3422	.3564	.3575	.2537	.2293
29 LAT"LL MALLEOLUS HT	.1904	.0896	.1724	.1547	.1898	.2884	.1757	.1135	.1867	.0891	.2574	.2481	.2748	.2264	.2114
30 SPHYRION HEIGHT	.2564	.0466	.1536	.1486	.1684	.2512	.2070	.1299	.1841	.1700	.2643	.2731	.2763	.2021	.1722
31 SITTING HEIGHT	.3204	.2193	.3422	.5671	.4482	.7321	.3898	.3172	.3163	.4142	.3700	.3450	.4043	.3277	.2753
32 EYE HEIGHT SITTING	.3027	.1957	.3327	.5460	.4175	.7123	.3786	.3046	.2926	.4005	.3363	.3233	.3832	.3237	.2730
33 MID SHOULDER HT/S	.3347	.2051	.3291	.5446	.4620	.7422	.3661	.2931	.3004	.3952	.3426	.3306	.3877	.3058	.2612
34 ELBOW REST HT SIT	-.0077	.0888	.1698	.3722	.3052	.4318	-.0318	-.0661	.0495	.1192	.0614	.0188	.0075	-.0752	-.0715
35 KNEE HEIGHT SIT	.4945	.2343	.3200	.3087	.3457	.4145	.7291	.6631	.4883	.5038	.5564	.6233	.7380	.6700	.5826
36 POPLITEAL HT/SIT	.5048	.1055	.1701	.1755	.1492	.3345	.6727	.6065	.3730	.4017	.4232	.4942	.6146	.6509	.5691
37 BUTTOCK KNEE LENGTH	.4277	.3134	.3820	.3361	.4648	.3542	.6537	.6203	.4714	.4532	.5192	.4942	.6817	.5598	.4869
38 BUTTOCK POP LENGTH	.4149	.2770	.3332	.2929	.3940	.2955	.5883	.5606	.4071	.3766	.4441	.5077	.6149	.5137	.4460
39 SHOULDER-ELBOW LTH	.6359	.1366	.2437	.2676	.2574	.4114	.6089	.5492	.3661	.4160	.4473	.4678	.5716	.5861	.5033
40 ELBOW WRIST LENGTH	.4929	.1854	.2329	.2402	.2309	.2871	.6616	.5917	.3821	.3974	.4246	.4693	.5621	.5902	.5092
41 FUNCTIONAL REACH	.4346	.2409	.3001	.2638	.2347	.3377	.6112	.5501	.3821	.3974	.4246	.4693	.5621	.5902	.5092
42 SLEEVE INSEAM	.5123	.0530	.0893	.1466	.0922	.3082	.6140	.5574	.2992	.3389	.3359	.3934	.5136	.6058	.5167
43 BIACROMIAL BREADTH	.1860	.4611	.4986	.2921	.3590	.3114	.3716	.3318	.3654	.3434	.4064	.4184	.4449	.3492	.3104
44 BIELTIOID BREADTH	.2234	.6527	.7050	.4307	.6216	.3064	.3381	.3082	.4456	.4042	.4927	.5111	.5157	.2854	.2449
45 CHEST BREADTH/SKIN	.1133	.6335	.6732	.3936	.6087	.2949	.2706	.2583	.3885	.3514	.4310	.4343	.4447	.1976	.1582

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																
	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	
46	CHEST BREADTH/BONE	.1108	.5784	.6283	.3365	.5161	.2635	.2500	.2295	.3551	.3230	.3946	.4035	.4069	.1999	.1639
47	WAIST BROTH (OMP)	.0919	.5045	.5847	.5093	.6526	.4244	.2651	.2590	.3819	.3324	.4196	.4181	.4433	.1536	.1225
48	BI-ILIOCRISTALE	.0808	.5044	.5835	.5026	.6632	.4271	.2514	.2472	.3752	.3264	.4117	.4094	.4335	.1461	.1178
49	HIP BREADTH	.1555	.4387	.5478	.5180	.7034	.4632	.3821	.3686	.4194	.4233	.4762	.4787	.5307	.2522	.2124
50	HIP BREADTH SIT	.1272	.4516	.5473	.5190	.7341	.4315	.3152	.3089	.4287	.3971	.4726	.4664	.4957	.1961	.1615
51	BITROCHANTERC/BONE	.2457	.3906	.4981	.5126	.6113	.5255	.4394	.4091	.4156	.4656	.4863	.4799	.5433	.3216	.2756
52	ELBOW BREADTH	.2073	.3165	.3607	.3200	.3678	.2739	.3804	.3570	.3846	.4386	.4409	.4401	.4709	.2532	.1767
53	MAX F"ARM-F"ARM BR	.0297	.5083	.5271	.3582	.5234	.2100	.1705	.1530	.3190	.3028	.3426	.3585	.3404	.1063	.0693
54	WRIST BREADTH	.2066	.2470	.3418	.3040	.3209	.2595	.4451	.4038	.4262	.5192	.5206	.4830	.5223	.4183	.3721
55	KNEE BREADTH	.2605	.3564	.4360	.4173	.5178	.3962	.4444	.4457	.4798	.6227	.5594	.5633	.6316	.3725	.3303
56	KNEE-KNEE BR SIT	.0514	.3916	.4481	.4133	.6154	.2743	.3116	.3067	.4056	.4193	.4558	.4777	.5004	.2036	.1755
57	CHEST DEPTH	.0677	.4957	.5474	.4166	.6035	.3006	.2464	.2389	.3627	.3127	.4015	.4295	.4309	.1536	.1163
58	WAIST DEPTH (OMP)	.0610	.4514	.5224	.4890	.6482	.2683	.2507	.2512	.3809	.3129	.4139	.4336	.4380	.1444	.1171
59	ABDOMINAL DPTH/SIT	.0763	.4451	.5062	.4918	.6480	.3004	.2589	.2584	.3648	.3104	.4018	.4313	.4309	.1522	.1265
60	BUTTOCK DEPTH	.0381	.4781	.5383	.4789	.7390	.2587	.2743	.2809	.4161	.3347	.4454	.4655	.4724	.1648	.1240
61	THIGH CLEAR HT SIT	.0776	.4523	.4932	.4397	.6396	.2300	.3052	.3072	.4023	.3564	.4514	.4741	.4815	.2084	.1622
62	NECK CIRC MAXIMUM	.0783	.5049	.5802	.3776	.5703	.2601	.2502	.2372	.3868	.3478	.4396	.4587	.4298	.1682	.1339
63	SHOULDER CIRC	.1913	.6655	.7301	.4385	.6599	.2997	.3476	.3258	.4664	.3792	.5200	.5274	.5374	.2878	.2400
64	CHEST CIRCUMF"ENCE	.1006	.6158	.6767	.4435	.6376	.2858	.2871	.2755	.4168	.3501	.4554	.4713	.4760	.2096	.1720
65	WAIST CIRC (OMPH)	.0782	.5029	.5854	.5231	.6768	.3779	.2586	.2554	.3818	.3278	.4173	.4330	.4472	.1486	.1224
66	BUTTOCK CIRC	.1292	.5054	.5055	.5383	.7752	.4062	.3563	.3506	.4663	.4224	.5172	.5204	.5483	.2326	.1969
67	BUTTOCK CIRC/SIT	.1192	.4865	.5820	.5281	.7549	.3815	.3146	.3150	.4380	.3851	.4846	.4862	.5103	.1950	.1640
68	VERTICAL TRUNK CIRC	.2788	.4264	.5539	.6877	.7749	.6860	.4507	.4036	.4442	.4977	.5453	.5370	.5807	.3446	.2844
69	VERT TRUNK CIRC SIT	.3009	.4045	.5297	.6668	.7159	.6972	.4365	.3835	.4503	.4746	.5135	.5052	.5549	.3434	.2847
70	UPPER THIGH CIRC	.0264	.4970	.5736	.4612	.7364	.2635	.2661	.2736	.4232	.3462	.4607	.4856	.4854	.1563	.1219
71	THIGH CIRC SITTING	.0461	.4838	.5685	.4674	.7479	.2711	.2816	.2906	.4330	.3507	.4708	.4872	.4935	.1676	.1347
72	LOWER THIGH CIRC	.0658	.4673	.5470	.4454	.6965	.2554	.3238	.3229	.4717	.4209	.5175	.5469	.5509	.2080	.1730
73	KNEE CIRCUMFERENCE	.1970	.4380	.5463	.4990	.7078	.3856	.5062	.4995	.5463	.5430	.6267	.6281	.6922	.3683	.3273
74	KNEE CIRC SITTING	.1923	.4585	.5405	.4824	.6956	.3607	.4846	.4661	.5374	.5345	.6042	.6284	.6672	.3550	.3036
75	CALF CIRCUMFERENCE	.0969	.4691	.5512	.4372	.6771	.2946	.3562	.3506	.5167	.4633	.5786	.5743	.5782	.2193	.1793
76	ANKLE CIRCUMF"ENCE	.1738	.3857	.4740	.4190	.5836	.3648	.4713	.4262	.5818	.5715	.6320	.6475	.6855	.3071	.2539
77	SCYE CIRCUMFERENCE	.2780	.4932	.6350	.4691	.6458	.3344	.3743	.3603	.4585	.4474	.5199	.5241	.5411	.3098	.2610
78	BICEPS CIRC EXT	.0053	.5331	.6018	.4195	.6409	.1973	.2195	.2231	.4129	.3235	.4522	.4615	.4309	.1550	.1277
79	BICEPS CIRC FLEXED	.0003	.5277	.6057	.3943	.6072	.1817	.2274	.2289	.4196	.3175	.4494	.4517	.4289	.1656	.1328
80	ELBOW CIRC EXT	.1738	.5096	.5985	.4629	.6250	.2982	.4297	.3948	.5315	.4578	.5885	.6083	.6130	.3676	.3127
81	ELBOW CIRC FLEXED	.2153	.3787	.4493	.3194	.4216	.2562	.4180	.3862	.4248	.4354	.4764	.4847	.5166	.3819	.3170
82	FOREARM CIRC EXT	.1373	.5125	.6091	.4386	.6258	.2538	.4037	.3784	.5334	.4537	.5876	.5968	.5875	.3361	.2766
83	FOREARM CIRC FLEXED	.1230	.4858	.5800	.3968	.5705	.2273	.3580	.3315	.4245	.4341	.5417	.5295	.5295	.2983	.2352
84	WRIST CIRCUMF"ENCE	.2821	.3954	.5068	.4109	.5113	.3172	.5372	.4738	.5950	.5801	.6675	.6805	.6919	.4998	.4229
85	SL SPINE/SCYE	.1808	.5652	.6834	.2873	.4154	.2424	.2557	.2233	.3076	.2987	.3263	.3494	.3667	.2108	.1756
86	SL SPINE-ELBOW	.5008	.3999	.5448	.3635	.4469	.4613	.5635	.5020	.4480	.4752	.4886	.5259	.6115	.5147	.4480
87	SL SPINE-WRIST	.5251	.3433	.4924	.3393	.4106	.4286	.6583	.5935	.4817	.4990	.5205	.5703	.6702	.6195	.5319
88	ANTERIOR NECK LGTH	.1778	.0273	.0579	.0450	.0760	.2969	.1481	.1154	.0129	.1229	.0512	.0004	.0606	.1367	.1276
89	POSTERIOR NECK LTH	.1145	.0023	.0402	.1841	.0652	.0128	.1576	.1736	.1121	.1155	.1511	.0743	.1304	.1464	.1387
90	SHOULDER LENGTH	.0430	.2230	.1869	.1785	.1121	.3139	.2552	.2291	.2058	.2245	.2293	.2151	.2582	.2842	.2655

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
91 DELTOID ARC	.0570	.1528	.1502	.1456	.2451	.4181	.3604	.2301	.3164	.2786	.2932	.3811	.4044	.3531	
92 INTERSCYE	.0570	.7109	.2453	.4102	.2585	.2036	.1919	.2713	.2699	.3115	.3362	.3433	.3433	.3433	
93 INTERSCYE MAXIMUM	.1528	.7109	.3444	.5188	.3073	.2875	.2695	.3630	.3336	.4063	.4143	.4281	.2335	.1993	
94 WAIST FRONT	.1502	.2453	.3444	.3988	.3419	.3069	.2730	.3391	.3493	.3752	.3754	.4010	.2320	.1945	
95 CROTCH LENGTH	.1456	.4102	.5188	.3988	.2991	.3271	.3152	.4246	.3823	.4722	.4622	.4859	.2235	.1881	
96 WAIST BACK	.2451	.2585	.3073	.5419	.2991	.3428	.2882	.2907	.3507	.3319	.3301	.3789	.2721	.2253	
97 FOOT LENGTH	.4181	.2036	.2875	.3069	.3271	.3428	.9019	.5296	.5899	.6010	.6451	.7870	.7254	.6129	
98 BALL-OF-FOOT LENGTH	.3604	.1919	.2695	.2730	.3152	.2882	.9019	.5296	.5899	.6010	.6451	.7870	.7254	.6129	
99 BALL-OF-FOOT BIRTH	.2301	.2713	.3630	.3391	.4246	.2907	.5296	.4484	.4983	.8423	.6847	.6679	.4567	.3676	
100 BI-MALLEOLAR BIRTH	.3164	.2699	.3336	.3493	.3823	.3507	.5899	.5469	.4983	.8423	.6847	.6679	.4567	.3676	
101 BALL-OF-FOOT GIRTH	.2786	.3115	.4063	.3752	.4722	.3319	.6010	.5491	.8423	.5857	.7496	.7496	.4920	.4028	
102 INSTEP CIRCUMF"ANCE	.2932	.3362	.4143	.3754	.4622	.3301	.6451	.5640	.6847	.6095	.7522	.7496	.4920	.4028	
103 HEEL-ANKLE CIRCUMF	.3811	.3433	.4281	.4010	.4859	.3789	.7870	.7215	.6579	.6757	.7496	.7496	.4920	.4028	
104 HAND LENGTH	.4044	.1703	.2335	.2320	.2235	.2721	.7254	.6282	.4567	.4446	.4320	.5420	.4570	.5336	
105 PALM LENGTH	.3531	.1380	.1993	.1945	.1881	.2253	.6129	.5378	.3676	.3747	.4028	.4570	.5336	.8569	
106 HAND BREADTH/META	.2294	.2830	.3867	.2378	.3537	.2342	.4714	.4098	.5417	.4713	.6037	.5676	.5609	.5526	
107 HAND CIRC/META	.2555	.3164	.4292	.3300	.3916	.2736	.5242	.4644	.5872	.5402	.6557	.6182	.6255	.5148	
108 HAND CIRC/THUMB	.2747	.3718	.4759	.3604	.4448	.2747	.5547	.4995	.6037	.5437	.6857	.6618	.6638	.5247	
109 THICKNESS META/III	.1376	.2449	.3103	.2350	.3051	.1730	.2590	.2353	.3353	.3153	.3893	.3828	.3556	.3300	
110 FINGER DIAM III	.2322	.2629	.3537	.3018	.3412	.2331	.4402	.3851	.4978	.4459	.5784	.5135	.5335	.4471	
111 HEAD CIRCUMFERENCE	.1019	.2576	.2890	.2609	.3471	.1907	.2805	.2447	.3412	.2618	.3629	.3669	.3712	.2269	
112 SAGITTAL ARC	.0875	.0934	.1133	.1644	.1803	.1146	.1821	.1382	.1564	.1520	.1852	.2055	.2090	.1434	
113 MINIMUM FRONTL ARC	.1206	.1111	.1746	.1127	.1887	.0351	.1598	.1582	.1597	.1233	.1976	.1806	.1813	.1109	
114 BIT-CORONAL ARC	.0596	.2198	.2343	.2315	.3035	.2477	.2185	.1740	.2539	.2232	.2816	.2888	.2863	.1639	
115 BIT-MIN FRONTAL A	.1392	.2930	.3297	.2878	.3526	.2593	.3223	.2776	.3659	.3067	.3969	.4072	.4171	.2927	
116 BIT-SUBNASALE ARC	.1583	.3155	.3558	.3024	.3915	.1820	.3810	.3564	.3989	.3361	.4266	.4641	.4851	.3299	
117 BIT-MENTON ARC	.1957	.3639	.4120	.3393	.4307	.2344	.3847	.3496	.4270	.3662	.4537	.4835	.4943	.3296	
118 BIT-SUBMANDIB ARC	.1499	.3533	.4388	.3792	.4788	.2753	.3288	.3110	.3928	.3391	.4314	.4306	.4381	.2660	
119 BIT-POSTERIOR ARC	.0678	.3200	.3894	.3169	.4731	.2859	.2150	.2027	.3025	.2382	.3357	.3296	.3342	.1332	
120 HEAD LENGTH	.1323	.1752	.1986	.1932	.2408	.1445	.2646	.2324	.2911	.2329	.3080	.3123	.3338	.2428	
121 MAX HEAD DIAG/MENT	.1898	.2845	.3114	.2802	.3549	.2306	.3877	.3382	.3960	.3396	.4342	.4616	.4679	.3741	
122 MAX HEAD DIAG/NUCH	.1697	.3894	.4041	.3437	.4493	.2919	.3040	.2605	.3616	.3058	.3903	.4048	.4209	.2191	
123 EAR LENGTH	.0809	.1594	.2188	.2567	.2433	.2350	.1844	.1515	.2037	.1979	.2180	.2108	.2114	.1691	
124 EAR LGTH ABOVE TRG	.0778	.0743	.1198	.1431	.1294	.2067	.1231	.1023	.1198	.1285	.1264	.1056	.1255	.1177	
125 EAR BREADTH	.0647	.0798	.1314	.0988	.1411	.1000	.1630	.1422	.1524	.1188	.1597	.1539	.1678	.1896	
126 EAR PROTRUSION	.0011	.0159	.0365	.0961	.1001	.1385	.0246	.0147	.0798	.0711	.0958	.0805	.0650	.0819	
127 HEAD BREADTH	.0019	.2172	.2518	.1752	.2818	.1472	.1189	.1002	.1984	.1565	.2135	.2114	.1904	.0564	
128 AGE	.0504	.1309	.2053	.2241	.2708	.2999	.0878	.0650	.1842	.1640	.2029	.1633	.1554	.0586	
129 BITRAGON DIAMETER	.0873	.2516	.3046	.2244	.3395	.2203	.2095	.2003	.2537	.2111	.2850	.2722	.2816	.1654	
130 BIZYGOMATIC DIAM	.0990	.3190	.3846	.2793	.3981	.2181	.2306	.2172	.3088	.2572	.3387	.3406	.3479	.1888	
131 MAX FRONTAL DIAM	.1031	.2344	.2741	.2315	.2986	.1831	.2590	.2493	.2747	.2228	.3075	.3069	.3164	.2151	
132 BIGONIAL DIAMETER	.1221	.2501	.3047	.2608	.3629	.2209	.2274	.2123	.2990	.2833	.3299	.3240	.3279	.1598	
133 BIOCLULAR DIAMETER	.0713	.1567	.1711	.1367	.2352	.0282	.2966	.3058	.3013	.1914	.3224	.3170	.3490	.2615	
134 INTERPUPILLARY DST	.0739	.1050	.1170	.0908	.1355	.0380	.2644	.2694	.2497	.1472	.2584	.2627	.2872	.2485	
135 INTEROCULAR DIAM	.0527	.0750	.0832	.0483	.0791	-.0520	.1841	.1842	.1775	.1189	.1762	.1922	.2100	.1918	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
136 NASAL ROOT BREADTH	.0058	.0730	.0960	.0339	.1014	-.0610	.1547	.1768	.1802	.0832	.1949	.1838	.2000	.1509	.1284
137 NASAL BREADTH	.0872	.0638	.0319	-.0268	.0335	-.2046	.2796	.2808	.2324	.1348	.2397	.2827	.3003	.2932	.2579
138 NOSE PROTRUSION	.0918	.0486	.1326	.1220	.1074	.2210	.4147	.0893	.1025	.0926	.1380	.0754	.0885	.0643	.0403
139 PHILTRUM LENGTH	-.0041	.0580	.0644	.0737	.0574	.0234	.0369	.0315	.1488	.1044	.1571	.1494	.1340	.1055	.0786
140 LIP-LIP DISTANCE	.0752	.0020	-.0306	-.0504	-.0394	-.1814	.2836	.2671	.1800	.0819	.1654	.2087	.2529	.2691	.2264
141 LIP LENGTH	.0615	.0929	.0878	.0492	.0928	-.0437	.1870	.1871	.2008	.1505	.2149	.2214	.2373	.1693	.1483
142 LIP LENGTH SMILING	.0381	.1151	.1383	.0916	.1302	.0138	.1498	.1573	.1527	.1271	.1854	.1861	.1916	.1297	.1085
143 MENTON-SUBNASAL L	.1550	.1077	.1062	.0761	.0894	.0284	.2406	.2107	.2352	.1902	.2310	.2629	.2673	.2670	.2422
144 MENTON-NASAL RT DP	.2092	.1284	.1797	.1477	.1482	.1650	.3082	.2663	.2818	.2554	.3020	.3122	.3249	.2883	.2377
145 SUBNAS-NAS RT OPTH	.1638	.0298	.1168	.1328	.1088	.2035	.2146	.1817	.1372	.1650	.1817	.1745	.1909	.1708	.1435
146 VERTEX-GLABELLA HT	-.0184	.0731	.0422	.0539	.1048	.0129	-.0039	-.0115	.0886	.0636	.0869	.0787	.0511	.0093	.0165
147 VERTEX-NASAL RT DP	.0165	.0809	.0413	.0656	.1027	-.0073	.0467	.0321	.0937	.0845	.1130	.1295	.0993	.0575	.0533
148 VERTEX-EXT CANT HT	-.0068	.1081	.0831	.0851	.1485	.0317	.0424	.0247	.1074	.0983	.1339	.1328	.1036	.0252	.0166
149 VERTEX-PRONASALE H	.0160	.0480	.0385	.0641	.0749	.0374	.0399	.0130	.0765	.0863	.1056	.1048	.0721	.0376	.0283
150 VERTEX-STOMION HT	.0757	.1030	.0970	.1080	.1210	.0447	.1667	.1333	.1956	.1673	.2248	.2284	.2104	.1744	.1507
151 VERTEX-MENTON HT	.1357	.1485	.1472	.1431	.1660	.0833	.2365	.1965	.2503	.2328	.2888	.2996	.2818	.2337	.1941
152 VERTEX-TRAGION HT	.0257	.1322	.1409	.1537	.2160	.1922	.1064	.0664	.1551	.1590	.1914	.1935	.1691	.0599	.0367
153 WALL-GLABELLA DIST	.1359	.2032	.2252	.2134	.2691	.1518	.2763	.2399	.3124	.2631	.3271	.3426	.3604	.2444	.1971
154 WALL-NAS RT DEP DT	.1453	.2004	.2404	.2205	.2828	.2000	.2949	.2558	.3139	.2698	.3357	.3405	.3681	.2549	.2067
155 WALL-EX CANT DIST	.1106	.1534	.1743	.1739	.2287	.1167	.2731	.2511	.2777	.2079	.2895	.3097	.3419	.2378	.2009
156 WALL-PRONASALE DST	.1909	.2189	.2673	.2511	.3041	.2559	.3621	.3205	.3448	.3053	.3648	.3790	.4242	.2929	.2440
157 WALL-STOMION DIST	.1695	.2131	.2134	.1842	.2523	.1201	.3780	.3535	.3431	.2799	.3560	.4029	.4478	.3247	.2680
158 WALL-MENTON DIST	.1601	.2682	.2989	.2533	.3552	.2855	.3176	.2957	.3146	.2667	.3315	.3494	.3914	.2223	.1732
159 WALL-TRAGION DIST	.0975	.0963	.1048	.1185	.1623	.1136	.1381	.1303	.1744	.1550	.1813	.2066	.2421	.1403	.1095
169 WEIGHT REPORTED	.2166	.5484	.6465	.5697	.7613	.4350	.4729	.4498	.5524	.5039	.6081	.6329	.6630	.3521	.2949
170 STATURE REPORTED	.4968	.2251	.3281	.4297	.3893	.6064	.6599	.5964	.4425	.4895	.5003	.5305	.6435	.6050	.5216

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																	
	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
1 AGE	.0566	.0647	.0661	.0680	.0646	.0643	.0352	-.0019	.0306	.0754	.0985	.1243	.1334	.1089	.0491		
2 WEIGHT	.4846	.5386	.6220	.3824	.4612	.4464	.1758	.2149	.3634	.4772	.5487	.5898	.6109	.5727	.3083		
3 SKF SUBSCAPULAR	.1625	.1827	.2647	.1669	.1975	.2852	.0643	.1059	.2143	.2500	.3508	.3761	.4373	.4557	.1541		
4 SKF TRICEPS	.1247	.1322	.1694	.1504	.0978	.2296	.0815	.0701	.2024	.2380	.2736	.2934	.3416	.3293	.1136		
5 SKF JUXTA NIPPLE	.1533	.1368	.1621	.1502	.0988	.1764	.0407	.0220	.1441	.1878	.2108	.2569	.2998	.2789	.0979		
6 SKF MAL XIPHOID	.1289	.1335	.1893	.1419	.1210	.2118	.0075	.0828	.1912	.2222	.2810	.3071	.3900	.4077	.0689		
7 SKF SUPRA ILIAC	.1431	.1450	.2055	.1744	.1427	.2486	.0633	.1057	.2152	.2509	.2783	.3071	.3896	.4161	.1131		
8 SKF DORSAL HAND	.1850	.1959	.2377	.1632	.2208	.1829	.0747	.1101	.1778	.2058	.1968	.1956	.2381	.2166	.1125		
9 GRIP STRENGTH	.4567	.4932	.5865	.3359	.4455	.2388	.0765	.0949	.1302	.2467	.3443	.3573	.3159	.2599	.2103		
10 HEIGHT (STATURE)	.3897	.4418	.4407	.2460	.3629	.2583	.2484	.0992	.2891	.3211	.2687	.3064	.2962	.2028	.2620		
11 CERVICALE HEIGHT	.3738	.4257	.4201	.2300	.3453	.2304	.1920	.0711	.2437	.3056	.2702	.3006	.2820	.1882	.2371		
12 SHOULDER(ACROM) HT	.3664	.4172	.4123	.2307	.3444	.2267	.1937	.1014	.2342	.2972	.2720	.3015	.2869	.2059	.2281		
13 ELBOW (RADIALE) HT	.3478	.3913	.3887	.2259	.3247	.2218	.1943	.0891	.2396	.2907	.2589	.2827	.2781	.2110	.2223		
14 WRIST (STYLION) HT	.2945	.3344	.3278	.2008	.2793	.1977	.1574	.0435	.2295	.2595	.2075	.2384	.2559	.2203	.1927		
15 DACTYLION HEIGHT	.1978	.2387	.2346	.1477	.1902	.1682	.1765	.0669	.2239	.2107	.1483	.1810	.2144	.2118	.1513		
16 SUPRASTERNALE HT	.3911	.4453	.4430	.2409	.3653	.2398	.2036	.0971	.2340	.3032	.2890	.3118	.2881	.1874	.2500		
17 CHEST (NIPPLE) HT	.3456	.3919	.3801	.2066	.3255	.1973	.1873	.0836	.1868	.2525	.2360	.2543	.2128	.1277	.2291		
18 WAIST HEIGHT (OMP)	.3291	.3796	.3734	.1846	.3034	.1823	.1722	.0732	.1801	.2331	.2229	.2351	.1908	.1021	.2163		
19 ILIOCRISTALE	.3418	.3959	.3805	.1987	.3120	.1993	.1873	.1540	.1813	.2550	.2571	.2635	.2249	.1187	.2197		
20 TROCHANTERIC HT	.3230	.3706	.3590	.1751	.2922	.1921	.1889	.1623	.1642	.2383	.2456	.2509	.2032	.0981	.2121		
21 BUTTOCK HEIGHT	.3101	.3556	.3471	.1580	.2767	.1703	.1175	.0158	.1431	.2189	.2358	.2355	.1823	.1034	.1971		
22 CROTCH HEIGHT	.2968	.3458	.3399	.1517	.2713	.1597	.1397	.0614	.1373	.2084	.2206	.2201	.1649	.0626	.1959		
23 GLUTEAL FURROW HT	.2874	.3359	.3279	.1448	.2608	.1530	.1368	.0664	.1280	.1992	.2123	.2110	.1560	.0713	.1892		
24 PATELLA TOP HEIGHT	.3446	.3938	.3889	.2013	.3106	.1954	.1517	.0836	.1650	.2444	.2560	.2595	.2214	.1299	.2142		
25 PATELLA BOTTOM HT	.3263	.3714	.3772	.1868	.2973	.1919	.1398	.0987	.1628	.2348	.2355	.2450	.2122	.1339	.2056		
26 CALF HEIGHT	.2738	.3071	.3220	.1509	.2466	.1869	.0957	.0648	.1443	.2051	.2252	.2348	.1841	.1390	.2067		
27 ANKLE HEIGHT	.1579	.2102	.2074	.1094	.1896	.0760	.2073	.4293	.0502	.1049	.1345	.1422	.1121	.0599	.0806		
28 MED"L MALLEOLUS HT	.2543	.2692	.2821	.2225	.2854	.1297	.1370	.0549	.1656	.1849	.1305	.1753	.1942	.1825	.1360		
29 LAT"L MALLEOLUS HT	.1756	.1751	.1806	.1610	.2019	.0933	.0607	.0159	.1241	.1256	.0781	.0984	.1257	.1405	.0882		
30 SPHYRION HEIGHT	.2013	.2254	.2233	.1733	.2425	.0972	.1650	.2343	.1257	.1357	.0868	.1094	.1160	.1114			
31 SITTING HEIGHT	.3084	.3529	.3558	.2346	.3045	.2467	.2810	.0955	.3316	.3074	.1926	.2595	.3068	.2493	.2274		
32 EYE HEIGHT SITTING	.2898	.3370	.3341	.2287	.2948	.1863	.2114	.0714	.2508	.2712	.1744	.2346	.2730	.2194	.1838		
33 MID SHOULDER HT/S	.2960	.3423	.3335	.2338	.2917	.1984	.1850	.0744	.2510	.2782	.1999	.2688	.3042	.2608	.1737		
34 ELBOW REST HT SIT	.0685	.0836	.0786	.1022	.0776	.0738	.1039	.0166	.1501	.1190	.0377	.0864	.1598	.1751	.0414		
35 KNEE HEIGHT SIT	.4171	.4681	.4836	.2589	.3840	.2564	.1815	.1186	.2310	.3231	.3386	.3508	.3085	.2064	.2527		
36 POPLITEAL HT/SIT	.3244	.3672	.3658	.1775	.2984	.1640	.1433	.0562	.1448	.2211	.2279	.2776	.1683	.0693	.2056		
37 BUTTOCK KNEE LENGTH	.3813	.4395	.4688	.2366	.3524	.2861	.1440	.1276	.2208	.3159	.3817	.3978	.3668	.2853	.2491		
38 BUTTOCK POP LENGTH	.3182	.3737	.3973	.1918	.2883	.2481	.1232	.1087	.1871	.2772	.3420	.3467	.3143	.2092	.2260		
39 SHOULDER-ELBOW LTH	.3466	.3968	.3843	.2077	.3362	.1883	.1481	.1050	.1624	.2426	.2362	.2729	.2397	.1489	.1960		
40 ELBOW WRIST LENGTH	.3971	.4499	.4424	.2362	.3676	.2097	.1515	.1041	.1570	.2765	.3254	.3449	.2706	.0968	.2369		
41 FUNCTIONAL REACH	.3267	.4054	.4137	.1855	.3424	.1956	.1109	.0724	.1656	.2656	.2779	.3028	.2535	.1386	.1865		
42 SLEEVE INSEAM	.2598	.3068	.2888	.1221	.2573	.1115	.1040	.0602	.0825	.1553	.1681	.1752	.1221	.0165	.1572		
43 BIACROMIAL BREADTH	.3663	.4059	.4386	.2458	.3414	.2595	.1065	.1069	.2039	.2850	.3340	.3898	.3555	.3050	.1958		
44 BIDELTOID BREADTH	.4307	.4719	.5605	.3466	.4054	.3724	.1266	.1665	.2936	.4009	.4859	.5377	.4974	.2490	.2490		
45 CHEST BREADTH/SKIN	.3726	.3977	.4695	.3038	.3355	.3446	.1076	.1395	.3061	.3843	.4245	.4680	.5058	.4690	.2032		

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
46 CHEST BREADTH/BONE	3585	3816	4240	2760	3112	3114	1198	1568	2720	3468	3856	4184	4463	4194	1772
47 WAIST BROTTH (OMP)	3084	3371	3861	2701	2887	3345	0970	1546	3050	3836	4011	4330	5072	5073	1775
48 BI-ILIOCRISTALE	3049	3311	3837	2740	2867	3366	0962	1183	3114	3792	3899	4282	5055	5172	1805
49 HIP BREADTH	3484	3871	4434	2915	3364	3204	1222	1457	3114	3867	4163	4565	4968	4543	1880
50 HIP BREADTH SIT	3301	3659	4245	2861	3119	3449	1403	1493	3230	3876	4115	4584	5132	4812	2018
51 BITROCHANERC/BONE	3705	4107	4375	3020	3643	2939	1465	1275	3109	3674	3637	4041	4487	3996	1832
52 ELBOW BREADTH	2527	4781	5154	0749	4296	2523	1079	1397	2031	2888	3324	3767	3474	2790	1846
53 MAX F"ARM-F"ARM BR	3080	3335	4097	2860	2757	2945	1117	1160	2406	3233	3616	4130	4315	3991	1785
54 WRIST BREADTH	5331	5841	6045	4092	5423	2222	0903	1582	1846	2772	3144	3323	3150	2604	1931
55 KNEE BREADTH	4443	5014	5255	3421	4274	3042	1848	1557	2863	3688	3911	4347	4225	3538	2326
56 KNEE-KNEE BR SIT	3256	3556	4169	2694	3107	3234	1226	1480	2606	3436	4025	4271	4614	4163	2004
57 CHEST DEPTH	3315	3671	4381	2866	3054	3055	0837	1418	2284	3132	4110	4626	5009	4979	1939
58 WAIST DEPTH (OMP)	3088	3380	4101	2720	2912	3425	0938	1718	2681	3494	4255	4608	5103	5027	2023
59 ABDOMINAL DPTH/SIT	2865	3142	3838	2592	2761	3203	0990	1656	2701	3381	3854	4215	4827	4802	1892
60 BUTTOCK DEPTH	3341	3605	4325	2775	2948	3728	1115	1568	2762	3689	4584	4901	5252	5126	2334
61 THIGH CLEAR HT SIT	3307	3690	4498	2665	2843	3232	0989	1588	2497	3285	4084	4374	4553	4436	2029
62 NECK CIRC MAXIMUM	4053	4481	5316	3313	3846	4351	1478	2217	3491	4432	5233	5755	6037	6068	2730
63 SHOULDER CIRC	4517	5016	5966	3631	4382	3920	1162	2031	2961	4106	5056	5551	5535	5421	2598
64 CHEST CIRCUMF"ENCE	4000	4338	5074	3328	3683	3455	1001	1626	2743	3732	4554	5102	5351	5155	2139
65 WAIST CIRC (OMPH)	3102	3377	4003	2778	2848	3461	1030	1642	2981	3810	4250	4592	5257	5185	1890
66 BUTTOCK CIRC	3771	4170	4888	3204	3603	3748	1259	1703	3243	4113	4689	5098	5576	5332	2321
67 BUTTOCK CIRC/SIT	3599	3926	4572	3063	3364	3574	1021	1503	3305	3935	4499	4734	5189	4887	2205
68 VERTICAL TRUNK CIRC	4229	4717	5240	3422	4074	3547	1932	1668	3418	4142	4132	4861	5286	4881	2573
69 VERT TRUNK CIRC SIT	4031	4554	4973	3177	3974	3308	1910	1527	3232	3878	3711	4477	4950	4517	2388
70 UPPER THIGH CIRC	3406	3735	4662	2823	3055	3615	0946	1710	2763	3717	4670	5002	5244	5183	2181
71 THIGH CIRC SITTING	3411	3767	4670	2844	3153	3638	0944	1896	2549	3776	4594	5064	5417	5373	2165
72 LOWER THIGH CIRC	3857	4329	5178	3211	3576	3491	1153	2262	2784	3822	4644	4918	4972	4737	2188
73 KNEE CIRCUMFERENCE	4529	5074	5800	3592	4540	3903	1495	2017	3322	4328	4858	5109	5277	4920	2619
74 KNEE CIRC SITTING	4361	4909	5505	3354	4098	3903	1648	2083	2950	4232	4848	5253	5379	4743	2709
75 CALF CIRCUMFERENCE	4087	4480	5420	3321	3718	3599	1201	1784	3108	3924	4652	4887	5098	4741	2342
76 ANKLE CIRCUMF"ENCE	4567	5102	5449	3562	4131	3415	1488	1550	3223	4007	4168	4305	4401	3835	2374
77 SCYE CIRCUMFERENCE	4941	5407	6209	3986	4705	3656	1041	1893	2642	4015	4844	5351	5560	5117	2470
78 BICEPS CIRC EXT	4232	4666	5627	3610	3928	3613	0792	1746	2559	3758	4804	5047	5125	5062	2273
79 BICEPS CIRC FLEXED	4396	4775	5792	3627	4071	3514	0795	1772	2473	3605	4709	4980	5015	4895	2256
80 ELBOW CIRC EXT	5581	6145	6906	4434	5396	3889	1258	1914	2776	4160	5151	5527	5468	4941	2761
81 ELBOW CIRC FLEXED	5030	5434	5926	3705	4598	2809	0941	1618	1878	3243	3878	4187	3904	3268	2322
82 FOREARM CIRC EXT	5714	6376	7341	4528	5533	4059	1202	2036	2730	4181	5297	5659	5644	5141	2941
83 FOREARM CIRC FLEXED	5528	6022	7006	4291	5199	3618	0960	1892	2377	3886	4904	5225	5121	4714	2617
84 WRIST CIRCUMF"ENCE	6532	7424	7731	4858	6508	3586	1483	2157	2730	4065	4702	4963	4722	3869	2928
85 SL SPINE/SCYE	3186	3576	4132	2458	3113	2834	0917	1135	1895	2845	3297	3857	3745	3015	1657
86 SL SPINE-ELBOW	4158	4699	5041	2838	3989	2883	1515	1119	2425	3432	3577	4147	3862	2870	2369
87 SL SPINE-WRIST	4477	5099	5336	2917	4388	2938	1696	1587	2374	3609	3910	4273	3839	2594	2679
88 ANTERIOR NECK LGTH	0147	0282	0111	-0257	0086	-0587	0192	-0590	-0076	-0455	-1560	-1360	-1598	-0481	-0058
89 POSTERIOR NECK LTH	1344	1344	1737	0809	1381	0230	-1008	-0149	0190	0136	0237	0409	0902	0609	0704
90 SHOULDER LENGTH	1813	1961	2067	1068	1487	1037	-0253	-2902	0895	1243	0933	1334	1115	0673	1199

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
91 DELTOD ARC	.2294	.2655	.2747	.1376	.2322	.1019	.0875	.1206	.0696	.1392	.1583	.1957	.1499	.0678	.1323
92 INTERSCYE	.2830	.3164	.3718	.2449	.2629	.2576	.0934	.1111	.2198	.2930	.3155	.3639	.3633	.3200	.1752
93 INTERSCYE MAXIMUM	.3867	.4292	.4759	.3103	.3537	.2890	.1133	.1746	.2343	.3297	.3558	.4120	.4388	.3894	.1986
94 WAIST FRONT	.2978	.3300	.3604	.2350	.3018	.2609	.1544	.1127	.2315	.2878	.3024	.3393	.3792	.3169	.1932
95 CROTCH LENGTH	.3537	.3916	.4448	.3051	.3412	.3471	.1803	.1887	.3035	.3526	.3915	.4307	.4788	.4731	.2408
96 WAIST BACK	.2342	.2736	.2747	.1730	.2331	.1907	.1146	.0351	.2477	.2693	.1820	.2344	.2753	.2659	.1445
97 FOOT LENGTH	.4714	.5242	.5547	.2690	.4402	.2805	.1821	.1598	.2185	.3223	.3810	.3847	.3288	.2150	.2646
98 BALL-OF-FOOT LNTH	.4098	.4644	.4995	.2353	.3851	.2447	.1382	.1582	.1740	.2776	.3564	.3496	.3110	.2027	.2324
99 BALL-OF-FOOT BROTH	.5417	.5872	.6037	.3353	.4978	.3412	.1564	.1697	.2539	.3659	.3989	.4270	.3328	.3025	.2911
100 BI-MALLEOLAR BROTH	.4713	.5402	.5437	.3153	.4459	.2618	.1520	.1233	.2232	.3067	.3361	.3662	.3391	.2382	.2329
101 BALL-OF-FOOT GIRTH	.6037	.6557	.6857	.3893	.5784	.3629	.1852	.1976	.2816	.3969	.4266	.4537	.4314	.3357	.3000
102 INSTEP CIRCUMF"NCE	.5676	.6182	.6618	.3893	.5135	.3669	.2055	.1806	.2888	.4072	.4641	.4835	.4306	.3296	.3123
103 HEEL-ANKLE CIRCUMF	.5609	.6255	.6638	.3828	.5335	.3712	.2090	.1813	.2863	.4171	.4851	.4943	.4381	.3342	.3338
104 HAND LENGTH	.5526	.5148	.5247	.3556	.4471	.2269	.1434	.1103	.1539	.2927	.3299	.3296	.2660	.1332	.2428
105 PALM LENGTH	.4654	.3944	.4230	.3300	.3543	.1899	.1077	.0735	.1273	.2376	.2711	.2743	.2266	.1173	.2048
106 HAND BREADTH/META	.8008	.7450	.5998	.5783	.2974	.1367	.1745	.2106	.3362	.3853	.3997	.3599	.2721	.2590	
107 HAND CIRC/META		.8374	.4920	.6699	.3237	.1523	.1884	.2315	.3577	.4223	.4399	.3972	.2915	.2755	
108 HAND CIRC/THUMB	.7450	.8374	.4920	.5000	.6831	.3679	.1626	.2086	.2505	.3911	.4671	.4872	.4474	.3654	.3096
109 THICKNESS META/III	.5998	.4920	.5000	.6831	.4590	.2910	.1348	.1706	.2063	.3427	.3726	.3726	.3411	.2857	.1747
110 FINGER DIAM III	.5783	.6699	.6831	.4590											
111 HEAD CIRCUMFERENCE	.2974	.3237	.3679	.1992	.2910	.6578	.2856	.2856	.1618	.3788	.2948	.2596	.2338	.1725	.2088
112 SAGITTAL ARC	.1367	.1523	.1626	.0911	.1348	.2973	.2856	.2856	.1618	.3788	.2948	.2596	.2338	.1725	.2088
113 MINIMUM FRONTL ARC	.1745	.1884	.2086	.1181	.1706	.2973	.2856	.2856	.1618	.3788	.2948	.2596	.2338	.1725	.2088
114 BIT-CORONAL ARC	.2106	.2315	.2505	.1470	.1819	.5589	.4972	.1618		.5871	.2798	.2115	.1636	.1769	.2948
115 BIT-MIN FRONTAL A	.3362	.3577	.3911	.2410	.3065	.6743	.3498	.3788	.5871	.2798	.6901	.5256	.4179	.2534	.5137
116 BIT-SURNASALE ARC	.3853	.4223	.4671	.2747	.3427	.4981	.1843	.2948	.2798	.6901	.7982	.5256	.4179	.2534	.5137
117 BIT-MENTON ARC	.3997	.4399	.4872	.3003	.3726	.4678	.2063	.2596	.4972	.5871	.6901	.5256	.4179	.2534	.5137
118 BIT-SUBMANDIB ARC	.3599	.3972	.4474	.2775	.3411	.4044	.1920	.2338	.1635	.4179	.5256	.4179	.2534	.5137	.5374
119 BIT-POSTERIOR ARC	.2721	.2915	.3654	.2163	.2857	.4718	.1976	.1725	.1769	.2534	.3618	.4883	.5322	.5374	.5909
120 HEAD LENGTH	.2590	.2755	.3096	.1747	.2453	.8089	.6313	.2068	.2948	.5137	.4144	.3499	.2636	.3374	
121 MAX HEAD DIAG/MENT	.4267	.3753	.4199	.3587	.3198	.6509	.5629	.2073	.5315	.4943	.5065	.6393	.4987	.4004	
122 MAX HEAD DIAG/NUCH	.3260	.3531	.4078	.2266	.3040	.6229	.3770	.2005	.4247	.5631	.5674	.5147	.4592	.5372	
123 EAR LENGTH	.2271	.2048	.1857	.1992	.1860	.1767	.1089	.0795	.1720	.2292	.2168	.2434	.2632	.2453	
124 EAR LGTH ABOVE TRG	.1181	.1104	.1117	.0729	.1249	.0749	.0286	.0190	.0311	.1151	.1491	.1691	.1793	.1810	
125 EAR BREADTH	.2243	.1258	.1409	.2265	.0993	.1342	.0645	.0754	.0452	.1136	.1628	.1814	.1898	.2111	
126 EAR PROTRUSION	.1911	.0806	.0650	.2363	.0778	.0162	.0020	.0262	.1088	.0698	.0091	.0077	.0241	.0306	
127 HEAD BREADTH	.1789	.2015	.2200	.1308	.1720	.5416	.2401	.2333	.5778	.4638	.2935	.3103	.3144	.3890	
128 AGE	.1791	.1988	.1902	.1640	.1972	.2555	.1104	.1116	.2788	.2499	.1264	.1851	.2642	.3913	
129 BITRAGON DIAMETER	.2492	.2789	.3082	.2095	.2630	.3573	.1110	.2710	.2048	.3651	.4059	.4638	.4865	.5364	
130 BIZYGOMATIC DIAM	.3180	.3486	.3709	.2630	.3054	.4331	.1247	.3180	.3551	.5704	.5586	.5549	.5280	.4934	
131 MAX FRONTAL DIAM	.2689	.3091	.3283	.1996	.2688	.4317	.1536	.4147	.2979	.5375	.4760	.4359	.4195	.3729	
132 BIGONIAL DIAMETER	.2893	.3211	.3310	.2356	.2809	.3139	.1520	.2004	.2504	.3437	.4104	.4498	.4722	.4323	
133 BIOCULAR DIAMETER	.2565	.2744	.3251	.1334	.2689	.3782	.1179	.3391	.2238	.4906	.5464	.4367	.3681	.3130	
134 INTERPUPILLARY DST	.1962	.2237	.2609	.1045	.2157	.3389	.1388	.3687	.0786	.4137	.4004	.3514	.3159	.2627	
135 INTEROCULAR DIAM	.1736	.1754	.2024	.0938	.1533	.2902	.1220	.3100	.1529	.3787	.3633	.2527	.1821	.0970	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																
		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
136	NASAL ROOT BREADTH	.1598	.1613	.1983	.0966	.1830	.2535	.1458	.2472	.0908	.2419	.2405	.1590	.1205	.1246	.2260
137	NASAL BREADTH	.1924	.2076	.2822	.1005	.1899	.2145	.0741	.1511	.0266	.1701	.3595	.2789	.1699	.1042	.2126
138	NOSE PROTRUSION	.1188	.1213	.1092	.1072	.1391	.1002	.0785	.1208	.0274	.1077	.0121	.0774	.1454	.2583	.0615
139	PHILTRUM LENGTH	.1411	.1316	.1401	.0630	.1242	.1116	.0259	.0422	.2123	.1825	.1981	.0894	.0388	-.0238	.1126
140	LIP-LIP DISTANCE	.1233	.1356	.1890	.0299	.1193	.1330	.0391	.0673	-.0473	.0812	.2128	.1534	.0952	.0720	.1648
141	LIP LENGTH	.1597	.1949	.2286	.1130	.1623	.2035	.0982	.1961	-.0462	.1914	.3410	.3815	.3127	.2497	.1520
142	LIP LENGTH SMILING	.1598	.1757	.2111	.1096	.1608	.1796	.0921	.1872	.0175	.1703	.3017	.3176	.2622	.2535	.1137
143	MENTON-SUBNASALE L	.2418	.1935	.2165	.1824	.1526	.2464	.1717	.1333	.1743	.2626	.2199	.2490	.1701	.0995	.2696
144	MENTON-NASAL RT DP	.2292	.2614	.2869	.1431	.2333	.3104	.1871	.1626	.2462	.3559	.2634	.3247	.2564	.1737	.2935
145	SUBNAS-NAS RT DPTH	.1190	.1606	.1780	.0940	.1659	.1338	.0336	.0660	.1190	.2080	.1843	.1326	.1486	.1301	.1118
146	VERTEX-GLABELLA HT	.0938	.0612	.0644	.0943	.0219	.2593	.4036	-.0181	.3853	.1090	.0720	.1340	.1105	.1173	.2256
147	VERTEX-NASAL RT DP	.1121	.0908	.0930	.0905	.0479	.3220	.4280	.0546	.4026	.1745	.1360	.1886	.1486	.1111	.2968
148	VERTEX-EXT CANT HT	.1065	.1177	.1213	.0863	.0711	.3579	.4327	.0931	.5073	.2361	.1459	.1958	.1664	.1637	.2797
149	VERTEX-PRONASALE H	.0852	.0830	.0828	.0698	.0629	.3124	.3819	.0647	.3976	.2120	.1181	.1606	.1415	.1039	.2892
150	VERTEX-STOMION HT	.2117	.1811	.2021	.1465	.1438	.4043	.4309	.1053	.4523	.3079	.2519	.2634	.2272	.1645	.3777
151	VERTEX-MENTON HT	.2517	.2435	.2700	.1804	.2005	.4574	.4641	.1561	.4705	.3610	.2965	.3871	.2940	.2072	.4295
152	VERTEX-TRAGION HT	.1080	.1358	.1503	.0833	.0994	.4263	.4973	.1119	.7455	.4098	.1101	.0933	.0787	.1684	.2965
153	WALL-GLABELLA DIST	.2628	.2971	.3305	.1657	.2594	.8028	.6133	.2101	.3160	.5384	.4548	.3894	.2915	.3511	.9608
154	WALL-NAS RT DEP DT	.2774	.3044	.3358	.1872	.2625	.7820	.5924	.1957	.3081	.5168	.4491	.3744	.2870	.3669	.9366
155	WALL-EX CANT DIST	.2253	.2602	.3012	.1494	.2304	.7137	.5258	.1199	.2511	.4035	.3926	.3236	.2474	.3488	.8397
156	WALL-PRONASALE DST	.2756	.3294	.3629	.1786	.2906	.6844	.4974	.1835	.2799	.4729	.5108	.4083	.3265	.3982	.7985
157	WALL-STOMION DIST	.2529	.3185	.3730	.1434	.2708	.6031	.4167	.1621	.2103	.3998	.5417	.4517	.3290	.3348	.6965
158	WALL-MENTON DIST	.2063	.3061	.3364	.1234	.2711	.4881	.3088	.1288	.2200	.3428	.4380	.4943	.3971	.3836	.4856
159	WALL-TRAGION DIST	.0863	.1556	.1814	.0308	.1401	.5152	.4501	.0332	.1525	.0984	.0790	.0942	.0802	.3168	.6534
169	WEIGHT REPORTED	.4764	.5284	.6109	.3720	.4499	.4374	.1719	.2120	.3540	.4667	.5362	.5771	.5991	.5568	.3046
170	STATURE REPORTED	.3894	.4393	.4494	.2554	.3663	.2727	.2367	.1108	.2791	.3302	.2845	.3166	.3045	.2255	.2741

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
1 AGE	.0564	.1139	.0664	.0387	.0000	.0076	.0494	.0364	.0650	.1149	.0483	.0918	.0149	.0465	.0042
2 WEIGHT	.4631	.5801	.3090	.1545	.1741	.0779	.3467	.1741	.4129	.5208	.4094	.4531	.2747	.2230	.1504
3 SKF SUBSCAPULAR	.2489	.3910	.1892	.0740	.0954	.0282	.2527	.1489	.2825	.3642	.2593	.2972	.2309	.1405	.0963
4 SKF TRICEPS	.1793	.3129	.0834	.0865	.0834	.0370	.2267	.1427	.2200	.3106	.2052	.2675	.0896	.0348	.0331
5 SKF JUXTA NIPPLE	.1600	.2907	.1857	.0801	.0521	.0549	.1865	.1547	.1972	.2816	.1729	.2248	.0505	.0139	.0211
6 SKF MAL XIPHOID	.1327	.3559	.2076	.0775	.0861	.0420	.2485	.1755	.2774	.3484	.2311	.2666	.1517	.0713	.0484
7 SKF SUPRA ILIAC	.1765	.3831	.2269	.1020	.0817	.0790	.2587	.2289	.2791	.3503	.2397	.2863	.1324	.0518	.0200
8 SKF DORSAL HAND	.1372	.2486	.1314	.0569	.0579	.0795	.1516	.1537	.1523	.2169	.1404	.1785	.0997	.0323	.0591
9 GRIP STRENGTH	.2949	.2951	.1084	.0932	.0819	.0166	.1404	.1004	.2089	.2563	.2098	.2098	.2212	.1795	.1245
10 HEIGHT (STATURE)	.3869	.3179	.2336	.1497	.1335	.0700	.0875	.1635	.1740	.1871	.2097	.2136	.1518	.1376	.0599
11 CERVICALE HEIGHT	.3433	.2947	.2216	.1427	.1209	.0594	.0753	.1466	.1722	.1856	.2069	.2045	.1517	.1398	.0656
12 SHOULDER(ACROM) HT	.3339	.2957	.2193	.1360	.1287	.0535	.0804	.1478	.1843	.1938	.2090	.2121	.1470	.1368	.0658
13 ELBOW (RADIALE) HT	.3209	.2901	.2179	.1317	.1268	.0591	.0838	.1541	.1770	.1847	.2017	.2040	.1250	.1116	.0500
14 WRIST (STYLION) HT	.2709	.2804	.2098	.1304	.1108	.0710	.0916	.1761	.1743	.1670	.1741	.1980	.0782	.0591	.0093
15 DACTYLION HEIGHT	.2180	.2522	.1996	.1116	.0929	.0623	.0924	.1844	.1633	.1409	.1400	.1887	.0237	.0024	-.0391
16 SUPRATERNALE HT	.3553	.2933	.2027	.1214	.1229	.0506	.0705	.1228	.1652	.1838	.2074	.1952	.1800	.1619	.0850
17 CHEST (NIPPLE) HT	.3156	.2369	.1627	.1061	.1185	.0365	.0208	.0780	.1199	.1196	.1602	.1398	.1487	.1437	.0712
18 WAIST HEIGHT (OMP)	.3026	.2085	.1273	.0766	.0994	.0202	.0157	.0482	.1053	.1052	.1460	.1273	.1718	.1624	.0913
19 ILIOCRISTALE	.3038	.2379	.1473	.0809	.1066	.0182	.0344	.0605	.1312	.1412	.1776	.1566	.1773	.1733	.0999
20 TROCHANTERIC HT	.3009	.2059	.1189	.0629	.1023	-.0079	.0197	.0175	.1179	.1216	.1686	.1290	.1949	.1932	.1185
21 BUTTOCK HEIGHT	.2880	.1910	.0918	.0462	.0970	-.0156	.0056	-.0185	.0955	.1016	.1515	.1071	.2003	.2000	.1222
22 GROUCH HEIGHT	.2734	.1779	.0850	.0528	.0931	-.0173	-.0116	-.0176	.0813	.0816	.1429	.1045	.1935	.1893	.1152
23 GLUTEAL FURROW HT	.2677	.1670	.0757	.0393	.0875	-.0237	-.0125	-.0270	.0822	.0822	.1393	.0931	.1877	.1912	.1155
24 PATELLA TOP HEIGHT	.2964	.2225	.1195	.0746	.1129	.0158	.0267	.0363	.1249	.1303	.1787	.1383	.2043	.1896	.1250
25 PATELLA BOTTOM HT	.2868	.2167	.1077	.0621	.1152	.0142	.0237	.0292	.1257	.1266	.1735	.1318	.2325	.2013	.1338
26 CALF HEIGHT	.2903	.2032	.0895	.0391	.1029	-.0127	.0161	-.0096	.1038	.1007	.1549	.1127	.2009	.1847	.1178
27 ANKLE HEIGHT	.1362	.0800	.0398	.0375	.0384	.0099	.0208	.0324	.0940	.0949	.0879	.0623	.1037	.1082	.0591
28 MED'L MALLEOLUS HT	.1965	.2149	.2235	.1574	.0995	.1334	.0644	.2477	.1542	.1330	.0854	.1647	-.0337	-.0477	-.0678
29 LAT'L MALLEOLUS HT	.1364	.1674	.1353	.0781	.0796	.0737	.0349	.1418	.1231	.0786	.0670	.0838	.0241	-.0087	-.0348
30 SPHYRIUM HEIGHT	.1535	.1399	.1513	.0935	.0717	.0972	.0283	.1802	.1149	.0779	.0569	.1132	.0093	-.0102	-.0497
31 SITTING HEIGHT	.3341	.3546	.3019	.2153	.1138	.1393	.1359	.3099	.1961	.2063	.1852	.2426	.0079	.0114	-.0533
32 EYE HEIGHT SITTING	.2714	.3098	.2844	.2032	.1092	.1345	.0910	.2825	.1695	.1824	.1563	.2068	-.0200	-.0277	-.0654
33 MID SHOULDER HT/S	.2574	.3203	.2877	.2034	.0995	.1232	.1361	.2987	.2163	.2283	.1845	.2574	-.0058	-.0147	-.0435
34 ELBOW REST HT SIT	.0558	.1838	.1929	.1383	.0353	.1081	.1065	.2610	.1196	.1143	.0596	.1452	-.1375	-.1435	-.1153
35 KNEE HEIGHT SIT	.3761	.3000	.1720	.1002	.1330	.0251	.0839	.0737	.1765	.2130	.2323	.2185	.2447	.2151	.1408
36 POPLITEAL HT/SIT	.2919	.1774	.0822	.0540	.0949	-.0086	-.0099	-.0092	.0791	.0395	.1393	.1116	.1943	.1857	.1181
37 BUTTOCK KNEE LENGTH	.3739	.3521	.1790	.0809	.1526	-.0032	.1339	.0687	.2239	.2725	.2660	.2402	.2789	.2444	.1477
38 BUTTOCK POP LENGTH	.3281	.3040	.1396	.0702	.1311	-.0169	.0919	.0196	.1599	.2154	.2246	.1922	.2555	.2237	.1374
39 SHOULDER-ELBOW LTH	.2820	.2271	.1778	.1094	.1068	.0402	.0298	.0498	.1167	.1476	.1777	.1734	.1629	.1590	.0906
40 ELBOW WRIST LENGTH	.3443	.2451	.1161	.0772	.0883	-.0092	.0298	.0138	.1167	.1837	.2026	.1702	.2212	.2318	.1693
41 FUNCTIONAL REACH	.2771	.2301	.1484	.1092	.0897	-.0097	.0746	.0606	.1593	.2065	.2164	.1985	.1894	.1950	.1234
42 SLEEVE INSEAM	.2245	.1015	.0726	.0610	.0811	-.0045	-.0352	-.0164	.0626	.0567	.1101	.0682	.1827	.1928	.1035
43 BIACROMIAL BREADTH	.3358	.2987	.1538	.0983	.1121	.0653	.1936	.1769	.2620	.3045	.2476	.2148	.2489	.1965	.1106
44 BDELTOID BREADTH	.4152	.4972	.2372	.1272	.1368	.0540	.3151	.2368	.3705	.4754	.3544	.3780	.2639	.1848	.1280
45 CHEST BREADTH/SKIN	.3336	.4783	.2592	.1365	.1365	.0766	.3341	.2550	.3601	.4568	.3289	.3926	.2127	.1103	.0682

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
46 CHEST BREADTH/BONE	.3210	.4208	.2244	.1119	.1221	.0709	.2351	.2336	.3221	.4113	.2802	.3217	.1885	.0944	.0601
47 WAIST BROTH (OMP)	.2864	.4714	.3279	.1689	.1447	.1173	.3362	.3232	.3321	.4698	.3370	.4020	.1888	.1079	.0442
48 BI-ILIOCRISTALE	.2904	.4728	.3293	.1692	.1391	.1267	.3381	.3291	.3773	.4665	.3340	.4025	.1824	.1018	.0373
49 HIP BREADTH	.3246	.4630	.3319	.1772	.1644	.1235	.2888	.3056	.3579	.4339	.3179	.3926	.1933	.1280	.0579
50 HIP BREADTH SIT	.3301	.4786	.3315	.1713	.1581	.1178	.3163	.3114	.3537	.4502	.3360	.3930	.1912	.1252	.0509
51 BITROCHANTERC/BONE	.3266	.4179	.3358	.1779	.1544	.1293	.2604	.3155	.3443	.3941	.2793	.3568	.1545	.0966	.0225
52 ELBOW BREADTH	.1991	.3366	.1229	.1084	.0497	.1003	.1896	.1634	.2439	.3051	.2641	.2803	.1877	.1508	.1080
53 MAX F"ARM-F"ARM BR	.2776	.4117	.2014	.0840	.0840	.0572	.2730	.2005	.2763	.3989	.2890	.3505	.1141	.0697	.0703
54 WRIST BREADTH	.2901	.2432	.1665	.1030	.0863	.0991	.1374	.1803	.2400	.2684	.2312	.2565	.2394	.1689	.1459
55 KNEE BREADTH	.3731	.3991	.2859	.1818	.1639	.0862	.2394	.2609	.3214	.3829	.2906	.3381	.1754	.1398	.0785
56 KNEE-KNEE BR SIT	.3213	.4085	.2580	.1259	.1290	.0785	.2729	.2214	.3201	.3940	.3010	.3238	.2292	.1507	.0965
57 CHEST DEPTH	.2990	.4596	.2691	.1317	.1380	.0779	.2855	.2370	.3326	.4191	.2923	.3697	.1785	.1133	.0741
58 WAIST DEPTH (OMP)	.3224	.4757	.2467	.1014	.1315	.0670	.3004	.2140	.3362	.4410	.3235	.3652	.2459	.1526	.0979
59 ABDOMINAL DPTH/SIT	.3058	.4460	.2703	.1244	.1384	.0548	.2830	.2183	.3195	.4145	.2953	.3555	.2201	.1360	.0725
60 BUTTOCK DEPTH	.3569	.4842	.2370	.0916	.1338	.0460	.3040	.1855	.3392	.4422	.3239	.3594	.2859	.1715	.1105
61 THIGH CLEAR HT SIT	.3211	.4234	.2099	.0856	.1109	.0386	.2754	.1699	.3110	.4023	.3142	.3556	.2516	.1791	.1271
62 NECK CIRC MAXIMUM	.4399	.5640	.2191	.1033	.1315	.0402	.3883	.2533	.4110	.5207	.3990	.4341	.3225	.2127	.1655
63 SHOULDER CIRC	.4087	.5160	.2320	.1238	.1485	.0708	.3284	.2474	.3991	.4910	.3702	.3929	.3140	.2106	.1455
64 CHEST CIRCUMF"ENCE	.3470	.5009	.2756	.1414	.1515	.0599	.3148	.2517	.3630	.4703	.3343	.3989	.2160	.1255	.0814
65 WAIST CIRC (OMPH)	.3060	.4937	.3089	.1509	.1418	.1003	.3359	.2888	.3770	.4777	.3409	.4006	.2013	.1183	.0611
66 BUTTOCK CIRC	.3685	.5211	.3042	.1430	.1601	.0892	.3241	.2810	.3916	.4831	.3572	.4166	.2489	.1634	.0923
67 BUTTOCK CIRC/SIT	.3416	.5098	.2982	.1542	.1611	.0933	.3159	.2891	.3565	.4531	.3233	.4079	.2273	.1176	.0710
68 VERTICAL TRUNK CIRC	.4025	.4919	.3436	.1913	.1561	.1219	.2716	.2388	.3633	.4257	.3301	.4001	.1837	.1177	.0478
69 VERT TRUNK CIRC SIT	.3726	.4640	.3363	.1936	.1424	.1220	.2511	.2326	.3376	.3954	.3109	.3787	.1502	.1008	.0255
70 UPPER THIGH CIRC	.3391	.4881	.2411	.1031	.1379	.0481	.3108	.2002	.3502	.4585	.3515	.3833	.2792	.1857	.1315
71 THIGH CIRC SITTING	.3350	.4871	.2376	.1020	.1368	.0403	.3194	.2184	.3910	.4846	.3783	.3978	.2978	.2339	.1442
72 LOWER THIGH CIRC	.3547	.4583	.2337	.1151	.1348	.0558	.3054	.2079	.3322	.4579	.3536	.3711	.2840	.2088	.1481
73 KNEE CIRCUMFERENCE	.4123	.4850	.3021	.1695	.2000	.0869	.3066	.2656	.3929	.4630	.3788	.3983	.3369	.2467	.1501
74 KNEE CIRC SITTING	.3991	.4710	.2741	.1285	.1555	.0468	.3047	.2357	.3385	.4693	.3829	.4053	.2927	.2505	.1712
75 CALF CIRCUMFERENCE	.3681	.4789	.2870	.1431	.1525	.0814	.3015	.2362	.3377	.4366	.3382	.3854	.2888	.1668	.1285
76 ANKLE CIRCUMF"ENCE	.3701	.4238	.2617	.1379	.1497	.1045	.2741	.2556	.3132	.3949	.3139	.3787	.2300	.1460	.1210
77 SCYE CIRCUMFERENCE	.3867	.5175	.2685	.1459	.1439	.0769	.2959	.2453	.3671	.4740	.3619	.4063	.2574	.1991	.1496
78 BICEPS CIRC EXT	.3406	.4776	.2166	.0927	.1226	.0504	.3061	.1969	.3400	.4673	.3487	.3882	.2855	.1827	.1466
79 BICEPS CIRC FLEXED	.3431	.4619	.1961	.0901	.1216	.0506	.2877	.1830	.3203	.4408	.3223	.3666	.2856	.1781	.1452
80 ELBOW CIRC EXT	.4233	.4879	.2338	.1171	.1360	.0718	.2841	.2141	.3591	.4620	.3748	.3964	.3159	.2200	.1650
81 ELBOW CIRC FLEXED	.3231	.3584	.1810	.0985	.1015	.0681	.1722	.1556	.2322	.3302	.2718	.2989	.2218	.1758	.1401
82 FOREARM CIRC EXT	.4231	.5087	.2176	.1047	.1377	.0575	.2967	.2093	.3669	.4757	.3823	.4170	.3379	.2445	.1941
83 FOREARM CIRC FLEXED	.3741	.4675	.1921	.0953	.1200	.0549	.2694	.1939	.3284	.4460	.3456	.3841	.2975	.2179	.1746
84 WRIST CIRCUMF"ENCE	.4111	.4295	.2201	.1196	.1386	.0809	.2385	.2236	.3382	.4100	.3382	.3612	.3076	.2250	.1768
85 SL SPINE/SCYE	.2739	.3549	.1884	.1101	.0874	.0704	.2076	.1793	.2261	.3255	.2318	.2526	.1371	.0900	.0515
86 SL SPINE-ELBOW	.3567	.3599	.2235	.1419	.1172	.0781	.1840	.1921	.2394	.3180	.2662	.2711	.1903	.1530	.0832
87 SL SPINE-WRIST	.3885	.3533	.2028	.1288	.1278	.0497	.1453	.1475	.2233	.3015	.2754	.2523	.2493	.2108	.1328
88 ANTERIOR NECK LGTH	-.0414	-.0416	.0450	.0668	.0240	.0307	.0749	.0302	-.1003	-.0472	-.0010	-.0887	-.0449	-.0998	
89 POSTERIOR NECK LGTH	.0952	.0434	.0764	.0675	.0831	.0559	-.0796	.0427	-.0120	-.0517	.0142	-.0016	.0848	.0539	-.0015
90 SHOULDER LENGTH	.1637	.0983	.0908	.0736	.0504	.0506	.0162	.0658	.0285	.0407	.0797	.0246	.0547	.0711	.0124

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
91 DELTOID ARC	.1898	.1697	.0809	.0778	.0647	.0011	.0019	.0504	.0873	.0990	.1031	.1221	.0713	.134	.135
92 INTERSCYE	.2845	.3394	.1594	.0743	.0798	.0159	.2172	.1309	.2516	.3190	.2344	.2501	.1567	.1050	.0750
93 INTERSCYE MAXIMUM	.3114	.4041	.2188	.1198	.1314	.0585	.2518	.2063	.3046	.3846	.2741	.3047	.1711	.1170	.0832
94 WAIST FRONT	.2802	.3437	.2567	.1431	.0988	.0961	.1752	.2241	.2244	.2793	.2315	.2608	.1367	.0908	.0483
95 CROTCH LENGTH	.3549	.4493	.2433	.1294	.1411	.1001	.2318	.2708	.3395	.3981	.2986	.3629	.2352	.1355	.0791
96 WAIST BACK	.2306	.2919	.2950	.2067	.1000	.1385	.1472	.2999	.2203	.2181	.1831	.2209	.0262	.0080	.0520
97 FOOT LENGTH	.3877	.3040	.1844	.1231	.1630	.3246	.1189	.0878	.2095	.2305	.2590	.2274	.2966	.2644	.1841
98 BALL-OF-FOOT LENGTH	.3382	.2605	.1516	.1023	.1422	.0147	.1002	.0650	.2003	.2172	.2493	.2123	.3058	.2694	.1842
99 BALL-OF-FOOT BROT	.3960	.3616	.2037	.1198	.1524	.0798	.1384	.1842	.2537	.3088	.2747	.2990	.3013	.2497	.1775
100 BI-MALLEOLAR BROT	.3396	.3058	.1979	.1285	.1188	.0711	.1565	.1640	.2111	.2572	.2228	.2833	.1914	.1472	.1189
101 BALL-OF-FOOT GIRTH	.4342	.3903	.2180	.1264	.1597	.0958	.2135	.2029	.2850	.3387	.3075	.3329	.3224	.2584	.1762
102 INSTEP CIRCUMF+NCE	.4616	.4048	.2108	.1056	.1539	.0805	.2114	.1633	.2722	.3406	.3069	.3210	.3170	.2627	.1922
103 HEEL-ANKLE CIRCUMF	.4679	.4209	.2114	.1255	.1678	.0650	.1904	.1554	.2816	.3479	.3164	.3279	.3490	.2872	.2100
104 HAND LENGTH	.3741	.2191	.1691	.1177	.1896	.0819	.0564	.0586	.1654	.1888	.2151	.1598	.2615	.2485	.1918
105 PALM LENGTH	.3252	.1776	.1451	.0811	.1977	.0758	.0356	.0327	.1425	.1430	.1773	.1216	.2218	.2214	.1658
106 HAND BREADTH/META	.4267	.3260	.2271	.1181	.2243	.1911	.1789	.1791	.2492	.3180	.2689	.2893	.2565	.1962	.1736
107 HAND CIRC/META	.3753	.3531	.2048	.1104	.1258	.0806	.2015	.1988	.2789	.3485	.3091	.3211	.2744	.2237	.1754
108 HAND CIRC/THUMB	.4199	.4078	.1857	.1117	.1409	.0650	.2200	.1902	.3082	.3709	.3283	.3310	.3251	.2609	.2024
109 THICKNESS META/III	.3587	.2256	.1992	.0729	.2265	.2363	.1308	.1640	.2095	.2630	.1996	.2356	.1334	.1045	.0938
110 FINGER DIAM III	.3198	.3040	.1860	.1249	.0993	.0778	.1720	.1972	.2630	.3054	.2688	.2809	.2689	.2157	.1533
111 HEAD CIRCUMFERENCE	.6503	.6229	.1767	.0749	.1342	.0162	.5416	.2555	.3573	.4331	.4317	.3389	.3782	.3389	.2902
112 SAGITTAL ARC	.5629	.3770	.1089	.0286	.0645	.0020	.2401	.1104	.1110	.1247	.1536	.1520	.1179	.1388	.1220
113 MINIMUM FRONTL ARC	.2073	.2005	.0795	.0190	.0754	.0262	.2333	.1116	.2710	.3180	.4147	.2004	.3391	.3687	.3100
114 BIT-CORONAL ARC	.5315	.4247	.1720	.0311	.0452	.1088	.5778	.2788	.2048	.3551	.2979	.2504	.2238	.0786	.1529
115 BIT-MIN FRONTAL A	.4943	.5631	.2292	.1151	.1136	.0598	.4638	.2499	.3651	.5704	.5375	.3437	.4906	.4137	.3787
116 BIT-SUBNASALE ARC	.5065	.5674	.2168	.1491	.1628	.0091	.2335	.1254	.4059	.5586	.4760	.4004	.5464	.4004	.3633
117 BIT-MENTON ARC	.6393	.5147	.2434	.1691	.1814	.0077	.3103	.1851	.4638	.5549	.4359	.4498	.4367	.3514	.2527
118 BIT-SUBMANDIB ARC	.4987	.4592	.2632	.1793	.1898	.0241	.3144	.2642	.4865	.5280	.4195	.4722	.3681	.3169	.1821
119 BIT-POSTERIOR ARC	.4004	.5372	.2453	.1810	.2111	.0306	.3890	.3913	.5364	.4934	.3729	.4323	.3130	.2627	.0970
120 HEAD LENGTH	.5614	.5372	.1300	.0792	.1249	.0251	.1032	.0417	.0946	.1346	.1786	.1585	.2474	.2380	.2284
121 MAX HEAD DIAG/MENT	.5512	.5512	.2240	.1082	.2263	.0857	.3244	.1588	.2702	.3308	.3070	.2917	.3147	.2437	.2052
122 MAX HEAD DIAG/NUCH	.5512	.5512	.2344	.1715	.1540	.0240	.2309	.1899	.3697	.2012	.1516	.1875	.0544	.0203	.0426
123 EAR LENGTH	.2240	.2344	.5995	.4261	.4261	.1787	.0337	.2418	.1307	.1074	.0541	.1011	.0157	.0301	.0763
124 EAR LGTH ABOVE TRG	.1082	.1715	.5995	.4277	.4261	.1415	.0544	.1019	.1778	.1373	.0875	.1031	.0819	.0538	.0069
125 EAR BREADTH	.2263	.1540	.4277	.1787	.1415	.0544	.1019	.1778	.1373	.0875	.1031	.0819	.0538	.0069	.0069
126 EAR PROTRUSION	.0857	.0240	.3192	.1037	.0544	.0688	.0588	.6096	.6096	.0596	.0237	.0716	.0399	.0823	.0583
127 HEAD BREADTH	.3244	.2809	.1110	.0337	.0544	.0688	.0588	.6096	.6096	.0596	.0237	.0716	.0399	.0823	.0583
128 AGE	.1558	.1899	.3697	.2418	.1019	.6096	.4346	.5287	.5287	.4760	.5643	.5180	.3426	.3639	.2030
129 BITRAGON DIAMETER	.2702	.2900	.2012	.1307	.1778	.0504	.6330	.4760	.7960	.7960	.6802	.4278	.2714	.2398	.1881
130 BIZYGOMATIC DIAM	.3308	.3718	.1961	.1074	.1073	.0596	.6868	.4760	.7960	.7960	.6802	.4278	.2714	.2398	.1881
131 MAX FRONTAL DIAM	.3070	.3267	.1516	.0541	.0875	.0237	.5233	.3276	.5643	.6802	.4278	.2714	.2398	.1881	.1881
132 BIGONIAL DIAMETER	.2917	.3185	.1875	.1011	.1031	.0716	.3910	.3622	.5180	.5747	.4713	.4344	.3207	.4796	.4475
133 BIOCULAR DIAMETER	.3147	.2931	.0544	.0157	.0819	.0399	.3014	.3022	.5180	.5747	.4713	.4344	.3207	.4796	.4475
134 INTERPUPILLARY DST	.2437	.1972	.0203	.0301	.0538	.0823	.2827	.0968	.3639	.4344	.5796	.2398	.7367	.5761	.6800
135 INTEROCULAR DIAM	.2052	.1504	.0426	.0763	.0069	.0583	.1944	.0193	.2030	.3207	.4475	.1881	.5761	.6800	.6800

TABLE VII (continued)

		CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																			
		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135					
136	NASAL ROOT BREADTH	.1842	.1302	-.0557	-.0570	.0331	-.0699	.1262	-.0163	.2129	.2163	.3311	.1350	.133	.134	.135					
137	NASAL BREADTH	.2495	.1218	-.1262	-.0384	.0408	-.1303	.0591	-.1713	.1198	.1529	.2291	.0746	.4724	.4691	.4406					
138	NOSE PROTRUSION	.0742	.1930	.1680	.1179	.1004	.0584	.1216	.2251	.2171	.1523	.1362	.1354	.0161	.0964	-.0399					
139	PHILTRUM LENGTH	.1777	.1037	.0294	.0110	.0237	.0194	.0103	-.0620	-.0977	.0066	.0250	.0478	.1594	.0025	.1141					
140	LIP-LIP DISTANCE	.2030	.0585	-.1177	-.0751	.0586	-.1238	-.0230	-.1832	.0487	.0521	.1220	-.0132	.3804	.4100	.2908					
141	LIP LENGTH	.2268	.1667	.0210	-.0242	.0495	-.0755	.1537	.0472	.3028	.2968	.3558	.1945	.3718	.4812	.2858					
142	LIP LENGTH SMILING	.2016	.1765	.0496	.0087	.0822	-.0407	.1563	.0700	.2703	.2720	.3019	.1950	.2835	.3321	.2031					
143	MENTON-SUBNASALE L	.4516	.2136	.0700	.0257	.1339	.0364	.0465	-.0320	.0534	.1242	.1200	.0949	.2174	.1873	.1735					
144	MENTON-NASAL RT DP	.4848	.3012	.1567	.1125	.1198	.0330	.1347	.0942	.1432	.2068	.1773	.1693	.2089	.1801	.1418					
145	SUBNAS-NAS RT OPTH	.1842	.2195	.1851	.1534	.1284	.0777	.0925	.1638	.1445	.1314	.1098	.1144	.0623	.0350	-.0339					
146	VERTEX-GLABELLA HT	.3519	.1803	.0443	-.0078	.0167	.0377	.1370	.0719	.0214	.0364	.0480	.0897	.0119	-.0093	.0214					
147	VERTEX-NASAL RT DP	.4132	.1839	.0482	-.0075	.0092	.0390	.1596	.0648	.0449	.0808	.0873	.1116	.0649	.0429	.0654					
148	VERTEX-EXT CANT HT	.4382	.2533	.0664	.0020	.0011	.0398	.2405	.1150	.0867	.1284	.1373	.1354	.1046	.0529	.0681					
149	VERTEX-PRONASALE H	.3813	.1904	.1008	.0459	.0264	.0740	.1721	.1317	.0663	.0888	.0777	.1109	.0273	.0055	.0244					
150	VERTEX-STOMION HT	.5418	.2843	.1206	.0499	.0895	.0598	.1877	.0971	.0950	.1401	.1487	.1563	.1642	.1236	.1221					
151	VERTEX-MENTON HT	.6775	.3384	.1318	.0679	.1004	.0502	.2033	.0960	.1245	.1901	.1812	.1904	.1956	.1532	.1493					
152	VERTEX-TRAGION HT	.4713	.3509	.1394	.0131	-.0071	.0893	.3522	.2090	.0992	.1952	.1987	.1703	.1217	.0735	.0783					
153	WALL-GLABELLA DIST	.5885	.5862	.1512	.0314	.1180	-.0344	.1126	.0472	.1013	.1633	.1860	.1771	.2556	.2279	.2265					
154	WALL-NAS RT DEP OT	.5813	.5975	.1797	.1067	.1550	-.0134	.1040	.0666	.1030	.1518	.1751	.1805	.2386	.1990	.2013					
155	WALL-EX CANT DIST	.5251	.5047	.1096	.0482	.1157	-.0432	.0894	.0137	.0874	.1158	.1364	.1374	.2381	.1986	.1695					
156	WALL-PRONASALE DST	.5519	.6419	.2176	.1560	.1877	-.0363	.1042	.0829	.1580	.1838	.2033	.1929	.2595	.2077	.1682					
157	WALL-STOMION DIST	.5453	.5335	.1043	.0640	.1372	-.1026	.0732	-.0457	.1233	.1696	.2162	.1436	.3601	.3048	.2532					
158	WALL-MENTON DIST	.4436	.4943	.1736	.1029	.0935	-.0637	.1581	.1140	.2192	.2534	.2369	.2148	.2313	.1824	.1228					
159	WALL-TRAGION DIST	.3555	.3493	.0583	.0293	.0451	-.0601	-.0050	.0011	-.0170	-.0362	.0073	.0526	.0749	.0652	.0605					
169	WEIGHT REPORTED	.4528	.5709	.3018	.1489	.1688	.0733	.3357	.2623	.3998	.5096	.3990	.4441	.3039	.2171	.1480					
170	STATURE REPORTED	.3816	.3309	.2296	.1538	.1401	.0746	.1004	.1678	.1943	.2015	.2152	.2173	.1582	.1354	.0634					

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1 AGE	-.0143	-.0214	.0465	.0243	-.0817	.0628	.0335	-.0040	.0403	.0519	.0201	.0019	.0139	.0344	.0250
2 WEIGHT	.1371	.1383	.1085	.1288	.0403	.1630	.1950	.1625	.2263	.1237	.0700	.0819	.1305	.0398	.1312
3 SKF SUBSCAPULAR	.1132	.1129	-.0083	.0634	.0199	.0339	.1153	.0549	.0597	.0184	.0131	.0576	.0343	.0048	
4 SKF TRICEPS	.0289	-.0474	.0076	.0324	-.0941	.0150	.0511	.0191	.0203	-.0252	.0549	.0322	.0754	-.0137	.0042
5 SKF JUXTA NIPPLE	-.0178	-.0546	.0038	.0116	-.0955	.0463	.0555	.0323	.0468	.0214	.0499	.0366	.0694	.0123	.0139
6 SKF MAX XIPHOID	.0532	-.0067	.0011	.0354	-.0921	.0223	.0652	-.0141	.0004	-.0234	.0102	-.0051	.0439	-.0547	-.0493
7 SKF SUPRA ILIAC	.0181	-.0705	.0432	-.0022	.1426	.0178	.0708	-.0174	.0017	.0057	.0452	.0208	.0715	-.0138	-.0164
8 SKF DORSAL HAND	.0340	.0285	.0119	.0619	-.0621	-.0045	.0423	.0564	.0667	.0195	.0526	.0577	.0790	.0437	.0592
9 GRIP STRENGTH	.1157	.2089	.0617	.0709	.1389	.1573	.1441	.1472	.1863	.1044	.0397	.0612	.0561	.0549	.1350
10 HEIGHT (STATURE)	.0503	.0305	.1685	.0573	.0730	.0599	.0812	.1692	.2700	.2290	.0573	.0925	.0742	.0860	.1700
11 CERVICALE HEIGHT	.0517	.0421	.1459	.0597	.0805	.0600	.0730	.1595	.2567	.2154	.0069	.0378	.0167	.0302	.1128
12 SHOULDER(ACROM) HT	.0515	.0367	.1586	.0531	.0669	.0637	.0749	.1498	.2445	.2103	.0008	.0297	.0060	.0204	.0985
13 ELBOW (RADIALE) HT	.0413	.0071	.1566	.0563	.0313	.0518	.0711	.1227	.2149	.1938	.0152	.0395	.0155	.0287	.0945
14 WRIST (STYLION) HT	.0135	-.0730	.1691	.0391	-.0555	.0064	.0394	.0506	.1567	.1779	.0402	.0433	.0312	.0421	.0793
15 DACTYLION HEIGHT	-.0220	-.1454	.1699	.0198	-.1180	-.0301	.0253	.0218	.1111	.1515	.0370	.0291	.0212	.0304	.0431
16 SUPRASTERNALE HT	.0769	.0893	.1316	.0631	.1279	.0815	.0911	.1749	.2584	.2061	.0157	.0549	.0255	.0376	.1302
17 CHEST (NIPPLE) HT	.0644	.0954	.1212	.0473	.1428	.0660	.0743	.1658	.2384	.1977	.0098	.0507	.0067	.0351	.1213
18 WAIST HEIGHT (OMP)	.0905	.1304	.0994	.0503	.1797	.0773	.0538	.1690	.2366	.1838	-.0018	.0373	-.0007	.0165	.1091
19 ILIOCRISTALE	.0870	.1339	.0941	.0491	.1746	.0870	.0702	.1885	.2418	.1637	-.0303	.0235	-.0107	-.0025	.0917
20 TROCHANTERIC HT	.1122	.1733	.0733	.0712	.2355	.0937	.0761	.2042	.2482	.1568	.0325	.0230	-.0126	-.0062	.0994
21 BUTTOCK HEIGHT	.1236	.2158	.0396	.0705	.2657	.1052	.0923	.1825	.2336	.1449	.0410	.0042	-.0336	-.0344	.0770
22 CROTCH HEIGHT	.1086	.2018	.0484	.0574	.2503	.1016	.0761	.1844	.2246	.1513	.0462	.0082	-.0393	.0289	.0777
23 GLUTEAL FURROW HT	.1139	.2065	.0442	.0595	.2610	.0967	.0732	.1916	.2268	.1446	.0553	-.0017	-.0468	.0376	.0701
24 PATELLA TOP HEIGHT	.1174	.1855	.0800	.0726	.2210	.1066	.0338	.1954	.2479	.1730	.0318	.0212	-.0133	-.0064	.0997
25 PATELLA BOTTOM HT	.1397	.1987	.0860	.0725	.2325	.0998	.0879	.1818	.2334	.1715	.0324	.0169	-.0159	-.0101	.0967
26 CALF HEIGHT	.1232	.2129	.0277	.0794	.2307	.0944	.0790	.1535	.1954	.1399	.0011	.0260	-.0041	-.0042	.0932
27 ANKLE HEIGHT	.0526	.0905	.0831	.0486	.0971	.0632	.0518	.1611	.1514	.0945	-.0461	.0289	.0189	.0364	.0808
28 MED'L MALLEOLUS HT	-.0627	-.1846	.1644	-.0280	-.2023	-.0559	-.0075	.0033	.0933	.1556	.0865	.0760	.0893	.1216	.0969
29 LAT'L MALLEOLUS HT	.0154	-.1187	.1355	-.0162	.1103	-.0544	-.0137	-.0223	.0452	.1121	.0426	.0345	.0368	.0523	.0372
30 SPHYRIUM HEIGHT	-.0248	-.1364	.1512	-.0154	.1225	-.0554	-.0249	.0316	.0962	.1351	.0426	.0658	.0703	.1086	.0900
31 SITTING HEIGHT	-.0564	-.2366	.2580	.0036	-.2091	-.0300	.0454	.0617	.2027	.2334	.1545	.1475	.1688	.1893	.2016
32 EYE HEIGHT SITTING	-.0782	-.2457	.2486	.0036	-.2078	-.0462	.0171	.0535	.1394	.2312	.0737	.0636	.0641	.1160	.1250
33 MID SHOULDER HT/S	-.0729	-.2357	.2394	.0012	-.2307	-.0203	.0293	.0371	.1715	.2089	.0585	.0380	.0639	.0805	.0837
34 ELBOW REST HT SIT	-.1258	-.3364	.1847	-.0301	-.3553	-.0856	-.0253	-.0860	.0045	.0922	.0662	.0231	.0596	.0721	.0149
35 KNEE HEIGHT SIT	.1290	.2062	.0843	.0985	.2210	.1289	.1106	.2259	.2799	.1791	-.0066	.0434	.0181	.0092	.1289
36 POPLITEAL HT/SIT	.1026	.2116	.0513	.0701	.2555	.1091	.0796	.2129	.2520	.1589	.0277	.0251	.0193	-.0022	.1072
37 BUTTOCK KNEE LENGTH	.1347	.2416	.0510	.0919	.2370	.1489	.1400	.1989	.2338	.1285	-.0189	.0267	.0137	.0304	.0871
38 BUTTOCK POP LENGTH	.1190	.2482	.0020	.0901	.2515	.1309	.1151	.1975	.2088	.0938	-.0303	.0210	-.0032	-.0458	.0681
39 SHOULDER-ELBOW LTH	.0657	.0901	.1212	.0431	.1284	.0724	.0720	.1672	.2453	.1832	-.0296	.0007	.0185	-.0022	.0787
40 ELBOW WRIST LENGTH	.1143	.2811	-.0036	.1048	.1281	.1722	.1141	.2666	.2940	.1281	-.0319	.0399	-.0078	-.0044	.1198
41 FUNCTIONAL REACH	.1003	.1876	.0530	.0768	.1910	.1317	.0340	.1808	.2452	.1432	-.0301	.0188	.0073	-.0085	.0906
42 SLEEVE INSEAM	.0897	.1890	.0602	.0352	.2515	.0996	.0630	.1679	.2204	.1567	.0719	.0210	-.0596	-.0343	.0583
43 BIACROMIAL BREADTH	.1111	.1551	.1242	.0975	.1107	.1468	.1547	.1403	.2102	.1301	.0802	.0914	.1122	.0866	.1671
44 BIELTORD BREADTH	.1120	.1453	.0923	.1124	.0285	.1702	.1850	.1518	.2112	.0993	.0916	.1007	.1360	.0716	.1511
45 CHEST BREADTH/SKIN	.0656	.0139	.1007	.1095	-.0681	.0932	.1298	.0931	.1490	.0795	.0666	.0573	.1070	.0349	.0903

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
46 CHEST BREADTH/BONE	.0669	.0280	.1179	.1093	-.0523	.1035	.1262	.1027	.1546	.0804	.0817	.0656	.1033	.0543	.1096
47 WAIST BREADTH (COMP)	.0336	-.0731	.1315	.0608	-.1528	.0520	.1034	.0281	.1039	.0897	.0382	.0185	.0868	.0087	.0266
48 BI-ILIACRISTALE	.0300	-.0845	.1350	.0594	-.1615	.0465	.1031	.0176	.0957	.0880	.0504	.0238	.0937	.0121	.0283
49 HIP BREADTH	.0469	.0366	.1590	.0425	-.1028	.0598	.1170	.0567	.1447	.1419	.0543	.0388	.0859	.0327	.0657
50 HIP BREADTH SIT	.0463	-.0406	.1473	.0527	-.1200	.0543	.1147	.0488	.1263	.1080	.0672	.0555	.1056	.0328	.0656
51 BITROCHANTERIC/BONE	.0173	-.0759	.1931	.0282	-.1206	.0315	.0932	.0548	.1604	.1812	.0653	.0463	.0914	.0605	.0885
52 ELBOW BREADTH	.0866	.1022	.0763	.0753	.0378	.1279	.1125	.0414	.1879	.1120	.0220	.0460	.0919	.0499	.0765
53 MAX F"ARM-F"ARM BR	.0304	.0132	.0430	.0700	-.1030	.0863	.1044	.0762	.1108	.0347	.0595	.0506	.0938	.0230	.0549
54 WRIST BREADTH	.1501	.1327	.1142	.1020	.0645	.1229	.1192	.1212	.1984	.1580	.0543	.0621	.0935	.0815	.1365
55 KNEE BREADTH	.0591	.0454	.1260	.0938	-.0150	.1083	.1165	.1648	.2343	.1481	.0733	.0904	.1177	.0843	.1515
56 KNEE-KNEE BR SIT	.0927	.0986	.0695	.0921	.0111	.1063	.1326	.1095	.1388	.0542	.0765	.0819	.1114	.0436	.1099
57 CHEST DEPTH	.0602	.0365	.0709	.0709	-.0498	.1015	.1199	.0635	.1015	.0505	.0242	.0080	.0597	-.0242	.0162
58 WAIST DEPTH (COMP)	.0735	.0964	.0343	.0951	-.0999	.1146	.1325	.0970	.1213	.0443	.0550	.0591	.1102	.0179	.0661
59 ABDOMINAL DPTH/SIT	.0594	.0532	.0607	.0874	-.0368	.0813	.1112	.0721	.1071	.0556	.0399	.0400	.0971	.0053	.0470
60 BUTTOCK DEPTH	.1093	.1276	.0308	.1027	.0292	.1295	.1475	.1055	.1244	.0326	.0712	.0729	.1181	.0214	.0836
61 THIGH CLEAR HT SIT	.1109	.1693	.0462	.1149	.0798	.1680	.1329	.1332	.1495	.0431	.0486	.0557	.0885	.0035	.0809
62 NECK CIRC MAXIMUM	.1461	.1820	.0686	.1410	.0212	.1990	.1858	.1426	.1938	.0846	.1157	.1089	.2035	.0861	.1605
63 SHOULDER CIRC	.1414	.1631	.0994	.1198	.0553	.1613	.1851	.1456	.2013	.1051	.0691	.0721	.1191	.0409	.1252
64 CHEST CIRCUMFERENCE	.0725	.0454	.0894	.0961	-.0464	.1129	.1432	.0874	.1342	.0689	.0530	.0421	.0866	.0102	.0628
65 WAIST CIRC (OMPH)	.0400	-.0100	.0972	.0662	-.0078	.0779	.1189	.0598	.1112	.0733	.0413	.0322	.0930	.0094	.0365
66 BUTTOCK CIRC	.0833	.0477	.1211	.0788	-.0467	.1067	.1410	.0891	.1467	.0973	.0627	.0584	.1112	.0237	.0764
67 BUTTOCK CIRC/SIT	.0693	.0213	.0830	.0995	-.0784	.0515	.0939	.0730	.1312	.0934	.0582	.0474	.1013	.0181	.0602
68 VERTICAL TRUNK CIRC	.0398	-.0455	.1951	.0774	-.1097	.0802	.1246	.0952	.2096	.1846	.0770	.0658	.1038	.0661	.1147
69 VERT TRUNK CIRC SIT	.0208	-.0904	.2162	.0626	-.1352	.0509	.1185	.0855	.2115	.2015	.0621	.0502	.0870	.0612	.1035
70 UPPER THIGH CIRC	.1176	.1393	.0469	.1055	.0345	.1449	.1644	.1082	.1259	.0380	.0547	.0580	.1045	-.0006	.0695
71 THIGH CIRC SITTING	.1420	.1507	.0805	.0670	.0512	.1857	.1982	.1040	.1295	.0468	.0431	.0485	.0939	-.0036	.0635
72 LOWER THIGH CIRC	.1394	.1730	.0632	.1162	.0537	.1598	.1829	.1377	.1637	.0625	.0384	.0618	.1035	.0124	.0914
73 KNEE CIRCUMFERENCE	.1650	.1424	.1337	.1029	.0553	.1433	.1695	.1384	.2067	.1461	.0521	.0660	.1084	.0398	.1243
74 KNEE CIRC SITTING	.1677	.1631	.1136	.0743	.0793	.1321	.1919	.1494	.1975	.1028	.0575	.0784	.1134	.0334	.1216
75 CALF CIRCUMFERENCE	.1221	.1077	.0910	.0982	.0256	.1410	.1654	.1244	.1671	.0936	.0925	.0951	.1455	.0625	.1357
76 ANKLE CIRCUMFERENCE	.1192	.0646	.1138	.1096	-.0037	.1261	.1459	.1361	.1911	.1222	.0734	.0823	.1190	.0548	.1349
77 SCYE CIRCUMFERENCE	.1140	.1279	.0995	.1136	.0080	.1852	.1643	.1458	.2041	.1126	.0496	.0504	.1006	.0246	.1015
78 BICEPS CIRC EXT	.1295	.1683	.0153	.1280	.0412	.1566	.1737	.1170	.1340	.0282	.0785	.0790	.1322	.0304	.0988
79 BICEPS CIRC FLEXED	.1351	.1735	.0198	.1318	.0886	.1614	.1862	.1175	.1421	.0396	.0718	.0726	.1236	.0314	.1037
80 ELBOW CIRC EXT	.1601	.2143	.0719	.1506	.0698	.1842	.1842	.1900	.2314	.1145	.0648	.0817	.1256	.0412	.1427
81 ELBOW CIRC FLEXED	.1155	.1641	.0746	.1201	.0760	.1564	.1525	.1657	.2173	.1147	.0389	.0595	.0797	.0379	.1223
82 FOREARM CIRC EXT	.1825	.2448	.0709	.1584	.1123	.2061	.1956	.1900	.2344	.1111	.0816	.0938	.1385	.0612	.1630
83 FOREARM CIRC FLEXED	.1540	.2172	.0686	.1392	.0936	.1962	.1942	.1711	.2156	.1000	.0727	.0830	.1207	.0583	.1486
84 WRIST CIRCUMFERENCE	.1773	.2163	.1125	.1351	.1207	.1864	.1715	.2058	.2706	.1481	.0661	.0889	.1232	.0708	.1738
85 SL SPINE/SCYE	.0429	.0453	.0714	.0473	-.0245	.0315	.1009	.1114	.1645	.0902	.0490	.0482	.0629	.0511	.0944
86 SL SPINE-ELBOW	.0561	.0664	.1168	.0564	.0412	.0318	.0984	.1560	.2409	.1744	.0209	.0378	.0415	.0332	.1056
87 SL SPINE-WRIST	.1060	.1623	.0990	.0905	.1462	.1286	.1117	.2099	.2874	.1856	-.0087	.0352	.0260	.0205	.1198
88 ANTERIOR NECK LGTH	-.0687	-.1612	.1582	-.0874	-.1004	-.0421	-.0314	-.0898	-.0230	.0950	-.0077	-.0385	-.0449	-.0015	-.0319
89 POSTERIOR NECK LGTH	.0641	-.0074	.1128	-.0345	.0576	.0085	.0423	-.0182	.0120	.0829	.1013	.0960	.0771	.0969	.1179
90 SHOULDER LENGTH	.0375	.0326	.0808	.0071	.0520	.0546	.0607	.0163	.0890	.1029	.0770	.0435	.0422	.0484	.0877

TABLE VII (continued)

		CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965																
		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150		
91 DELTOID ARC		.0058	.0872	.0918	-.0041	.0752	.0615	.0381	.1550	.2092	.1638	-.0184	.0165	-.0068	.0160	.0757		
92 INTERSCYE		.0730	.0638	.0486	.0580	.0020	.0929	.1151	.1077	.1284	.0298	.0731	.0809	.1081	.0480	.1030		
93 INTERSCYE MAXIMUM		.0960	.0319	.1326	.0644	-.0306	.0878	.1383	.1062	.1797	.1168	.0422	.0413	.0831	.0385	.0970		
94 WAIST FRONT		.0339	-.0268	.1220	.0737	-.0504	.0492	.0916	.0781	.1477	.1328	.0539	.0656	.0851	.0641	.1080		
95 CROTCH LENGTH		.1014	.0335	.1074	.0574	-.0394	.0928	.1302	.0894	.1482	.1088	.1048	.1027	.1485	.0749	.1210		
96 WAIST BACK		-.0610	-.2046	.2210	.0234	-.1814	-.0437	.0138	.0284	.1650	.2035	.0129	-.073	.0317	.0374	.0447		
97 FOOT LENGTH		.1547	.2796	.1147	.0969	.2636	.1870	.1498	.2406	.3082	.2146	-.0039	.0467	.0424	.0399	.1667		
98 BALL-OF-FOOT LENGTH		.1768	.2808	.0893	.0915	.2671	.1871	.1573	.2107	.2663	.1817	-.0115	.0321	.0247	.0130	.1333		
99 BALL-OF-FOOT BROT		.1802	.2324	.1025	.1488	.1800	.2008	.1527	.2352	.2818	.1372	.0686	.0937	.1074	.0765	.1956		
100 BI-MALLEOLAR BROT		.0832	.1348	.0926	.1044	.0819	.1505	.1271	.1902	.2554	.1650	.0636	.0845	.0983	.0863	.1673		
101 BALL-OF-FOOT GIRTH		.1949	.2397	.1380	.1571	.1664	.2149	.1854	.2310	.3020	.1817	.0869	.1130	.1339	.1056	.2248		
102 INSTEP CIRCUMF" NCE		.1838	.2827	.0754	.1494	.2087	.2214	.1861	.2629	.3122	.1745	.0787	.1295	.1328	.1048	.2284		
103 HEEL-ANKLE CIRCUMF		.2000	.3003	.0895	.1340	.2529	.2373	.1916	.2673	.3249	.1909	.0511	.0993	.1036	.0721	.2104		
104 HAND LENGTH		.1509	.2932	.0643	.1055	.2691	.1593	.1297	.2670	.2883	.1708	.0093	.0575	.0252	.0376	.1744		
105 PALM LENGTH		.1284	.2579	.0403	.0786	.2264	.1483	.1085	.2422	.2377	.1435	.0165	.0533	.0166	.0283	.1507		
106 HAND BREADTH/META		.1598	.1924	.1188	.1411	.1233	.1697	.1598	.2418	.2292	.1190	.0938	.1121	.1065	.0852	.2117		
107 HAND CIRC/META		.1513	.2076	.1213	.1316	.1356	.1949	.1757	.1935	.2614	.1606	.0512	.0908	.1177	.0830	.1811		
108 HAND CIRC/THUMB		.1983	.2822	.1092	.1401	.1890	.2286	.2111	.2165	.2869	.1780	.0544	.0930	.1213	.0828	.2021		
109 THICKNESS META/III		.0966	.1005	.1072	.0630	.0299	.1130	.1096	.1824	.1431	.0940	.0943	.0905	.0863	.0698	.1465		
110 FINGER DIAM III		.1830	.1899	.1391	.1242	.1193	.1523	.1608	.1526	.2333	.1659	.0219	.0479	.0711	.0629	.1438		
111 HEAD CIRCUMFERENCE		.2535	.2145	.1002	.1116	.1330	.2035	.1796	.2464	.3104	.1338	.2593	.3220	.3579	.3124	.4043		
112 SAGITTAL ARC		.1458	.0741	.0785	.0259	.0391	.0982	.0921	.1717	.1871	.0336	.4036	.4280	.4327	.3819	.4309		
113 MINIMUM FRONTL ARC		.2472	.1511	.1208	.0422	.0673	.1361	.1872	.1333	.1626	.0560	.0181	.0546	.0931	.0647	.1053		
114 BIT-CORONAL ARC		.0908	.0266	.0274	.2123	-.0473	-.0462	.0175	.1743	.2462	.1190	.3853	.4026	.5073	.3976	.4529		
115 BIT-MIN FRONTAL A		.2419	.1701	.1077	.1825	.0812	.1914	.1703	.2626	.3559	.2080	.1090	.1745	.2361	.2120	.3079		
116 BIT-SUBNASALE ARC		.2405	.3595	.0121	.1981	.2128	.3410	.3017	.2199	.2634	.1843	.0720	.1360	.1459	.1181	.2519		
117 BIT-MENTON ARC		.1590	.2789	.0774	.0894	.1534	.3815	.3176	.2490	.3247	.1326	.1340	.1886	.1958	.1606	.2634		
118 BIT-SUBMANDIB ARC		.1205	.1699	.1454	.0388	.0962	.3127	.2622	.1701	.2564	.1486	.1105	.1486	.1664	.1415	.2272		
119 BIT-POSTERIOR ARC		.1246	.1042	.2583	-.0238	.0720	.2497	.2535	.0995	.1737	.1301	.1173	.1111	.1637	.1039	.1645		
120 HEAD LENGTH		.2260	.2126	.0615	.1126	.1648	.1520	.1137	.2696	.2935	.1118	.2256	.2968	.2797	.2892	.3777		
121 MAX HEAD DIAG/MENT		.1842	.2495	.0742	.1777	.2030	.2268	.2016	.4516	.4848	.1842	.3519	.4132	.4382	.3813	.5418		
122 MAX HEAD DIAG/NUCH		.1302	.1218	.1930	.1037	.0585	.1567	.1755	.2136	.3012	.2195	.1803	.1839	.2533	.1904	.2843		
123 EAR LENGTH		-.0557	-.1262	.1680	.0294	-.1177	.0210	.0496	.0700	.1567	.1851	.0443	.0482	.0664	.1008	.1206		
124 EAR LGTH ABOVE TRG		-.0570	-.0984	.1179	.0110	-.0751	-.0242	.0087	.0257	.1125	.1534	-.0078	-.0075	.0020	.0459	.0499		
125 EAR BREADTH		.0331	.0408	.1004	.0237	.0586	.0495	.0822	.1339	.1198	.1204	.0167	.0092	.0011	.0264	.0895		
126 EAR PROTRUSION		-.0599	-.1303	.0584	.0194	-.1238	-.0755	-.0407	.0364	.0330	.0777	.0577	.0390	.0398	.0740	.0698		
127 HEAD BREADTH		.1262	.0591	.1216	.0103	-.0230	.1537	.1563	.0465	.1347	.0925	.1370	.1596	.2405	.1721	.1877		
128 AGE		-.0163	-.1713	.2251	-.0620	-.1832	.0472	.0700	.0320	.0942	.1638	.0719	.0648	.1150	.1317	.0971		
129 BITRAGON DIAMETER		.2129	.1198	.2171	-.0977	.0487	.3028	.2703	.0534	.1432	.1445	.0214	.0449	.0867	.0663	.0950		
130 BITZYGOMATIC DIAM		.2163	.1529	.1523	.0066	.0521	.2968	.2720	.1242	.2068	.1314	.0364	.0808	.1284	.0888	.1401		
131 MAX FRONTAL DIAM		.3311	.2291	.1362	.0250	.1220	.3556	.3019	.1200	.1773	.1098	.0480	.0873	.1373	.0777	.1487		
132 BIGONIAL DIAMETER		.1350	.0746	.1354	.0478	-.0132	.1345	.1950	.0949	.1693	.1144	.0837	.1116	.1354	.1109	.1563		
133 BIOCLULAR DIAMETER		.4143	.4724	.0161	.1594	.3804	.3718	.2835	.2174	.2089	.0523	.0119	.0649	.1046	.0273	.1642		
134 INTERPUPILLARY DST		.5204	.4691	.0964	.0025	.4100	.4812	.3321	.1873	.1801	.0350	-.0093	.0429	.0529	.0055	.1236		
135 INTEROCULAR DIAM		.6576	.4406	-.0399	.1141	.2908	.2858	.2031	.1735	.1418	-.0339	.0214	.0654	.0681	.0244	.1221		

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
136 NASAL ROOT BREADTH		.4291	-.0053	.0758	.3147	.3075	.2314	.1475	.1048	-.0427	.0471	.0562	.0730	-.0019	.1022
137 NASAL BREADTH	.4291		-.1797	.1446	.5755	.4571	.3222	.2477	.1443	-.0409	-.0082	.0840	.0395	-.0106	.1504
138 NOSE PROTRUSION	-.0063	-.1797		-.1988	-.0857	.0883	.0308	.0030	.1909	.3648	.0052	-.0542	.0318	.0619	.0897
139 PHILTRUM LENGTH	.0758	.1446	-.1988		.0228	-.1229	-.0870	.3542	.2682	-.0623	-.0072	.0219	.0453	.0268	.1597
140 LIP-LIP DISTANCE	.3147	.5755	-.0857	.0228		.3615	.1966	.4220	.3062	-.0076	-.0519	.0239	-.0021	-.0505	.1666
141 LIP LENGTH	.3075	.4571	.0883	-.1229	.3615		.6280	.0845	.0580	-.0102	.0623	.0924	.0775	.0244	.1131
142 LIP LENGTH SMILING	.2314	.3222	.0908	-.0870	.1966	.6280		.0151	.0255	.0183	.0838	.1068	.0978	.0573	.1167
143 MENTON-SUBNASALE L	.1475	.2477	.0030	.3542	.4220	.0845	.0151		.8134	.1117	.0044	.0671	.0897	.0496	.3078
144 MENTON-NASAL RT DP	.1048	.1443	.1909	.2682	.3062	.0580	.0255	.8134		.5181	-.0483	.0023	.0949	.1657	.3648
145 SUBNAS-NAS RT DPTH	-.0427	-.0409	.3648	-.0623	-.0076	-.0102	.0183	.1117	.5181		-.1009	-.0980	.0033	.2270	.2386
146 VERTEX-GLABELLA HT	.0471	-.0082	.0052	-.0072	-.0519	.0623	.0838	.0044	-.0483	-.1009		.9043	.8460	.8238	.7763
147 VERTEX-NASAL RT DP	.0562	.0840	-.0542	.0219	.0239	.0924	.1068	.0671	.0023	-.0980	.9043		.8619	.8772	.8506
148 VERTEX-EXT CANT HT	.0730	.0395	.0318	.0453	-.0021	.0775	.0978	.0897	.0949	.0033	.8460	.8619		.8148	.8043
149 VERTEX-PRONASALE H	-.0019	-.0106	.0619	-.0268	-.0505	.0244	.0573	.0496	.1657	.2270	.8238	.8772	.8148		.8983
150 VERTEX-STOMION HT	.1022	.1504	.0897	.1597	.1666	.1131	.1167	.3078	.3648	.2386	.7763	.8506	.8043	.8983	
151 VERTEX-MENTON HT	.1209	.1817	.0903	.2093	.2280	.1297	.1102	.5850	.6217	.2380	.6361	.7223	.6999	.7542	.8871
152 VERTEX-TRAGION HT	.0623	-.0340	.1089	.0885	-.0438	.0251	.0590	.1410	.2004	.0976	.5298	.5295	.7228	.5199	.5493
153 WALL-GLABELLA DIST	.2099	.2161	.0513	.1352	.1585	.1509	.1169	.2717	.3048	.1073	.2059	.2774	.2670	.2673	.3580
154 WALL-NAS RT DEP DT	.1973	.1666	.1042	.1303	.1342	.1257	.1004	.2702	.3359	.1779	.1405	.1785	.2039	.2032	.2969
155 WALL-EX CANT DIST	.1858	.2514	.0185	.1390	.2447	.1272	.1010	.2685	.2901	.1318	.0584	.1239	.1282	.1186	.2327
156 WALL-PRONASALE DST	.1561	.1806	.2220	.1214	.1576	.1608	.1368	.2531	.3456	.2824	.0680	-.0494	.0318	.0154	.1137
157 WALL-STOMION DIST	.2440	.4247	-.0473	.1677	.3984	.2817	.2037	.3040	.2911	.0945	-.1543	-.0982	-.0509	-.1688	.0178
158 WALL-MENTON DIST	.1182	.1600	.0167	.0237	.0052	.1928	.1584	-.0696	.0125	.0176	-.2129	-.2139	-.1325	-.2820	-.2291
159 WALL-TRAGION DIST	.1007	.1390	.0226	.0607	.1669	.0329	.0250	.1642	.1968	.0903	.0288	-.0033	.0214	-.0141	.0597
169 WEIGHT REPORTED	.1305	.1298	.1049	.1296	.0399	.1580	.1747	.1652	.2260	.1214	.0618	.0756	.1208	.0343	.1257
170 STATURE REPORTED	.0684	.0283	.1767	.0521	.0655	.0652	.0911	.1639	.2541	.2196	.0485	.0759	.0631	.0711	.1523

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	151	152	153	154	155	156	157	158	159	169	170
1 AGE	.0276	.0327	.0452	.0452	.0351	.0570	.0079	.0760	.0048	.1054	.0158
2 WEIGHT	.2031	.2255	.3555	.3693	.3168	.4211	.4019	.4360	.2167	.9826	.4874
3 SKF SUBSCAPULAR	.0424	.1256	.1916	.1973	.2030	.2349	.2571	.3635	.1520	.6691	.0890
4 SKF TRICEPS	.0349	.1335	.1604	.1664	.1385	.1754	.1540	.2562	.0912	.5763	.0558
5 SKF JUXTA NIPPLE	.0490	.1034	.1303	.1317	.0959	.1298	.1060	.1997	.0545	.4478	.0710
6 SKF MAL XIPHOID	-.0228	.1112	.1092	.1191	.1065	.1526	.1451	.3013	.0732	.6667	.0596
7 SKF SUPRA ILIAC	.0075	.1543	.1489	.1632	.1408	.1798	.1294	.2961	.1048	.6452	.0753
8 SKF DORSAL HAND	.0768	.1096	.1356	.1325	.1157	.1362	.1072	.1467	.0692	.3540	.0839
9 GRIP STRENGTH	.1730	.0533	.2195	.2199	.2162	.2431	.2493	.2312	.1305	.4191	.3371
10 HEIGHT (STATURE)	.2229	.2061	.2702	.2929	.2340	.3439	.2862	.3115	.2018	.4771	.9440
11 CERVICALE HEIGHT	.1702	.1455	.2520	.2768	.2198	.3360	.2926	.3262	.1931	.4813	.9329
12 SHOULDER(ACROM) HT	.1553	.1302	.2421	.2709	.2121	.3344	.2859	.3257	.1899	.4848	.9132
13 ELBOW (RADIALE) HT	.1423	.1417	.2331	.2628	.2023	.3183	.2610	.3113	.1836	.4815	.8773
14 WRIST (STYLION) HT	.1071	.1498	.2009	.2347	.1658	.2776	.1903	.2778	.1531	.4384	.7934
15 DACTYLION HEIGHT	.0687	.1498	.1615	.1975	.1288	.2398	.1401	.2502	.1401	.4033	.7301
16 SUPRATERNALE HT	.1866	.1361	.2604	.2804	.2371	.3348	.3080	.3099	.2011	.4844	.9238
17 CHEST (NIPPLE) HT	.1710	.1018	.2315	.2513	.2121	.2988	.2784	.2574	.1863	.3728	.8931
18 WAIST HEIGHT (OMP)	.1590	.0937	.2222	.2407	.2144	.2907	.2930	.2640	.1924	.3480	.8638
19 ILIOCRISTALE	.1562	.0844	.2283	.2473	.2221	.3060	.3083	.2847	.1907	.3991	.8446
20 TROCHANTERIC HT	.1600	.0682	.2246	.2384	.2228	.2931	.3234	.2666	.1879	.3607	.8154
21 BUTTOCK HEIGHT	.1267	.0385	.2080	.2218	.2158	.2778	.3338	.2731	.1857	.3503	.7934
22 GROUCH HEIGHT	.1296	.0374	.2053	.2183	.2102	.2749	.3186	.2618	.1836	.3172	.8136
23 GLUTEAL FURROW HT	.1268	.0309	.1971	.2100	.2108	.2669	.3194	.2527	.1881	.3096	.8060
24 PATELLA TOP HEIGHT	.1565	.0700	.2249	.2396	.2218	.2997	.3233	.2741	.1863	.3713	.8075
25 PATELLA BOTTOM HT	.1443	.0650	.2142	.2296	.2233	.2929	.3173	.2670	.1869	.3649	.7936
26 CALF HEIGHT	.1332	.0571	.2184	.2297	.2277	.2704	.3189	.2711	.1981	.3292	.6873
27 ANKLE HEIGHT	.1424	.0218	.0848	.0855	.0928	.1220	.1235	.0592	.0588	.1396	.3210
28 MED'L MALLEOLUS HT	.1078	.1567	.1480	.1726	.0745	.1789	.0479	.1550	.0534	.2754	.4392
29 LAT'L MALLEOLUS HT	.0401	.0935	.0845	.1192	.0695	.1373	.0530	.1448	.0430	.1929	.3966
30 SPHYRION HEIGHT	.1129	.1166	.1057	.1242	.0613	.1305	.0232	.0716	.0360	.1433	.3445
31 SITTING HEIGHT	.2297	.3153	.2299	.2588	.1536	.2810	.1049	.2291	.1296	.4102	.6982
32 EYE HEIGHT SITTING	.1583	.2150	.1874	.2197	.1229	.2517	.0835	.2058	.1071	.3802	.6773
33 MID SHOULDER HT/S	.1227	.1998	.1876	.2240	.1157	.2642	.1040	.2621	.1074	.4348	.6563
34 ELBOW REST HT SIT	.0134	.1508	.0479	.0792	-.0124	.0852	-.0837	.0892	.0041	.1805	.1873
35 KNEE HEIGHT SIT	.1974	.1137	.2728	.2848	.2573	.3455	.3708	.3356	.2041	.5271	.8373
36 POPLITEAL HT/SIT	.1674	.0522	.2137	.2240	.2116	.2744	.3142	.2407	.1777	.2951	.7856
37 BUTTOCK KNEE LENGTH	.1575	.0981	.2791	.2904	.2807	.3604	.4135	.3992	.2261	.6577	.7391
38 BUTTOCK POP LENGTH	.1352	.0669	.2554	.2611	.2631	.3228	.3894	.3618	.2119	.5814	.6788
39 SHOULDER-ELBOW LTH	.1412	.0661	.2128	.2309	.1892	.2895	.2718	.2792	.1629	.3895	.7596
40 ELBOW WRIST LENGTH	.2082	.0447	.2609	.2580	.2414	.3052	.3740	.2948	.1843	.4093	.6852
41 FUNCTIONAL REACH	.1552	.0726	.2097	.2191	.1931	.2672	.2952	.2765	.1455	.3937	.6502
42 SLEEVE INSEAM	.1115	.0101	.1594	.1688	.1805	.2294	.2707	.2100	.1605	.2106	.7044
43 BIACROMIAL BREADTH	.2048	.1255	.2050	.2026	.1696	.2365	.2378	.2519	.0988	.4722	.4089
44 BICEPTOID BREADTH	.2142	.1794	.2878	.2872	.2303	.3253	.3157	.3995	.1378	.8021	.3417
45 CHEST BREADTH/SKIN	.1357	.1781	.2426	.2579	.2001	.2952	.2452	.3776	.1240	.7868	.2868

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	151	152	153	154	155	156	157	158	159	169	170
46 CHEST BREADTH/BONE	.1511	.1641	.2289	.2439	.1816	.2744	.2192	.3177	.1146	.6791	.2758
47 WAIST BROTH (OMP)	.0727	.1894	.2224	.2486	.1871	.2973	.2117	.3982	.1178	.8409	.3149
48 BI-ILIOTRISTALE	.0709	.1996	.2251	.2508	.1894	.2969	.2086	.4017	.1254	.8354	.3163
49 HIP BREADTH	.1123	.1935	.2308	.2592	.1932	.3144	.2372	.3975	.1258	.8388	.4195
50 HIP BREADTH SIT	.1112	.2103	.2497	.2701	.2041	.3187	.2434	.4062	.1347	.8605	.3702
51 BITROCHANTERC/BONE	.1281	.2034	.2162	.2491	.1726	.3043	.1998	.3600	.1104	.7366	.5234
52 ELBOW BREADTH	.1386	.1285	.2345	.2235	.1820	.2722	.2690	.3617	.1731	.5079	.3551
53 MAX F"ARM-F"ARM BR	.1073	.1447	.2290	.2332	.1695	.2480	.2157	.3349	.1081	.6916	.1517
54 WRIST BREADTH	.1781	.1255	.1957	.2142	.1693	.2391	.2154	.2172	.0909	.4085	.3922
55 WRIST BREADTH	.2169	.2006	.2684	.2788	.2044	.3247	.2697	.3338	.1301	.6403	.4799
56 KNEE-KNEE BR SIT	.1520	.1748	.2452	.2464	.2128	.2763	.2666	.3308	.1471	.7415	.2690
57 CHEST DEPTH	.0709	.1315	.2405	.2587	.2233	.3127	.2919	.4241	.1678	.7967	.2214
58 WAIST DEPTH (OMP)	.1208	.1605	.2453	.2506	.2157	.2968	.2774	.3842	.1361	.8246	.2218
59 ABDOMINAL DPTH/SIT	.0947	.1666	.2315	.2422	.2011	.2857	.2528	.3839	.1390	.8062	.2488
60 BUTTOCK DEPTH	.1349	.1658	.2830	.2851	.2582	.3140	.3242	.4039	.1714	.8549	.2443
61 THIGH CLEAR HT SIT	.1358	.1542	.2467	.2491	.2222	.2867	.3138	.3576	.1716	.8027	.2627
62 NECK CIRC MAXIMUM	.2222	.2451	.3164	.3225	.2584	.3484	.3458	.4310	.1431	.7475	.1973
63 SHOULDER CIRC	.1880	.1753	.2961	.3025	.2624	.3494	.3439	.4276	.1655	.8501	.3374
64 CHEST CIRCUMF"ENCE	.1168	.1488	.2606	.2743	.2295	.3211	.2910	.4253	.1545	.8452	.2757
65 WAIST CIRC (OMPH)	.0880	.1837	.2373	.2551	.1990	.3010	.2429	.4066	.1268	.8685	.2819
66 BUTTOCK CIRC	.1317	.2049	.2802	.2959	.2446	.3468	.3021	.4386	.1637	.9207	.3723
67 BUTTOCK CIRC/SIT	.1124	.1912	.2651	.2853	.2360	.3302	.2795	.4213	.1586	.8906	.3361
68 VERTICAL TRUNK CIRC	.1731	.2304	.2924	.3203	.2292	.3695	.2714	.4249	.1714	.8120	.6303
69 VERT TRUNK CIRC SIT	.1620	.2197	.2712	.3021	.2129	.3538	.2425	.3990	.1702	.7482	.6401
70 UPPER THIGH CIRC	.1243	.1650	.2672	.2715	.2476	.3114	.3236	.4042	.1685	.8959	.2308
71 THIGH CIRC SITTING	.1176	.1598	.2629	.2681	.2406	.3075	.3161	.4055	.1598	.8976	.2462
72 LOWER THIGH CIRC	.1532	.1784	.2614	.2643	.2369	.3098	.3268	.3824	.1507	.8592	.2666
73 KNEE CIRCUMFERENCE	.1812	.2063	.2953	.3107	.2756	.3723	.3518	.4273	.1843	.8577	.4827
74 KNEE CIRC SITTING	.1814	.1937	.3087	.3181	.2786	.3686	.3665	.4276	.1300	.8613	.4532
75 CALF CIRCUMFERENCE	.1835	.2193	.2725	.2835	.2472	.3222	.3035	.3686	.1577	.8484	.2896
76 ANKLE CIRCUMF"ENCE	.1852	.2155	.2677	.2880	.2214	.3226	.2764	.3465	.1419	.7230	.4020
77 SCYE CIRCUMFERENCE	.1708	.1524	.2901	.3018	.2305	.3396	.3190	.4144	.1475	.8260	.3742
78 BICEPS CIRC EXT	.1492	.1657	.2730	.2752	.2432	.2923	.3087	.3756	.1479	.8305	.1606
79 BICEPS CIRC FLEXED	.1553	.1490	.2683	.2720	.2387	.2870	.3045	.3633	.1441	.7947	.1632
80 ELBOW CIRC EXT	.2175	.1670	.3198	.3249	.2913	.3531	.3723	.4145	.1841	.8119	.3662
81 ELBOW CIRC FLEXED	.1844	.1036	.2604	.2708	.2227	.2857	.2797	.2917	.1361	.5807	.3754
82 FOREARM CIRC EXT	.2308	.1676	.3326	.3351	.3053	.3640	.3759	.4037	.1352	.8191	.3129
83 FOREARM CIRC FLEXED	.2100	.1421	.3015	.3040	.2677	.3211	.3281	.3556	.1546	.7567	.2693
84 WRIST CIRCUMF"ENCE	.2456	.1766	.3206	.3347	.2788	.3576	.3561	.3638	.1748	.6600	.4662
85 SL SPINE/SCYE	.1467	.0969	.1970	.2034	.1417	.2235	.1916	.2542	.0899	.5465	.2846
86 SL SPINE-ELBOW	.1740	.1321	.2622	.2771	.2242	.3275	.2901	.3524	.1686	.6128	.6876
87 SL SPINE-WRIST	.2003	.1113	.2893	.2994	.2656	.3567	.3544	.3678	.1917	.5886	.7505
88 ANTERIOR NECK LGTH	-.0579	.0458	-.0255	.0072	-.0428	.0287	-.0685	-.0016	.0245	-.1038	.3322
89 POSTERIOR NECK LGTH	.0803	.0520	.0331	.0429	.0579	.0394	.0012	-.0083	.0328	.0409	.2458
90 SHOULDER LENGTH	.0830	.0742	.1157	.1193	.1007	.1305	.1200	.1371	.0859	.1720	.3355

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	151	152	153	154	155	156	157	158	159	169	170
91 DELTOID ARC	.1357	.0257	.1359	.1453	.1106	.1909	.1695	.1601	.0975	.2166	.4968
92 INTERSCYE	.1485	.1322	.2032	.2004	.1534	.2189	.2131	.2682	.0963	.5484	.2251
93 INTERSCYE MAXIMUM	.1472	.1409	.2252	.2404	.1743	.2573	.2134	.2989	.1048	.6465	.3281
94 WAIST FRONT	.1431	.1537	.2134	.2205	.1739	.2511	.1842	.2533	.1185	.5697	.4297
95 CROTCH LENGTH	.1660	.2160	.2631	.2828	.2287	.3041	.2523	.3552	.1623	.7613	.3893
96 WAIST BACK	.0833	.1922	.1618	.2000	.1167	.2559	.1201	.2855	.1136	.4350	.6064
97 FOOT LENGTH	.2365	.1064	.2763	.2949	.2731	.3621	.3780	.3176	.1981	.4729	.6699
98 BALL-OF-FOOT LENGTH	.1965	.0664	.2339	.2558	.2511	.3205	.3535	.2957	.1803	.4498	.5964
99 BALL-OF-FOOT BIRTH	.2609	.1551	.3124	.3139	.2777	.3448	.3431	.3146	.1744	.5524	.4425
100 BI-MALLEOLAR BIRTH	.2328	.1590	.2631	.2698	.2079	.3053	.2799	.2667	.1550	.5039	.4895
101 BALL-OF-FOOT GIRTH	.2888	.1914	.3271	.3357	.2895	.3648	.3560	.3315	.1813	.6081	.5003
102 INSTEP CIRCUMF"NCE	.2996	.1935	.3426	.3405	.3097	.3790	.4029	.3494	.2066	.6329	.5305
103 HEEL-ANKLE CIRCUMF	.2818	.1691	.3604	.3681	.3419	.4242	.4478	.3914	.2421	.6630	.6435
104 HAND LENGTH	.2337	.0599	.2444	.2549	.2378	.2929	.3247	.2223	.1403	.3521	.6050
105 PALM LENGTH	.1941	.0367	.1971	.2067	.2009	.2440	.2580	.1732	.1095	.2949	.5216
106 HAND BREADTH/META	.2517	.1080	.2628	.2774	.2253	.2756	.2529	.2063	.0863	.4764	.3894
107 HAND CIRC/META	.2435	.1358	.2971	.3044	.2602	.3294	.3185	.3061	.1556	.5284	.4393
108 HAND CIRC/THUMB	.2700	.1503	.3305	.3358	.3012	.3629	.3730	.3364	.1814	.6103	.4494
109 THICKNESS META/III	.1804	.0833	.1657	.1872	.1494	.1786	.1434	.1234	.0308	.3720	.2554
110 FINGER DIAM III	.2005	.0994	.2594	.2625	.2304	.2906	.2708	.2711	.1401	.4499	.3663
111 HEAD CIRCUMFERENCE	.4574	.4253	.8028	.7820	.7137	.6844	.6031	.4881	.5152	.4374	.2727
112 SAGITTAL ARC	.4641	.4973	.6133	.5924	.5258	.4974	.4167	.3088	.4601	.1719	.2367
113 MINIMUM FRONTL ARC	.1561	.1119	.2101	.1957	.1199	.1835	.1621	.1288	.0332	.2120	.1108
114 BIT-CORONAL ARC	.4705	.7456	.3160	.3081	.2511	.2799	.2103	.2200	.1525	.3540	.2791
115 BIT-MIN FRONTAL A	.3610	.4098	.5384	.5168	.4035	.4729	.3998	.3428	.0984	.4667	.3302
116 BIT-SUBNASALE ARC	.2965	.1101	.4548	.4491	.3926	.5108	.5417	.4300	.0790	.5362	.2845
117 BIT-MENTON ARC	.3871	.0933	.3894	.3744	.3236	.4083	.4517	.4943	.0942	.5771	.3166
118 BIT-SUBMANDIB ARC	.2940	.0787	.2915	.2870	.2474	.3265	.3290	.3971	.0802	.5991	.3045
119 BIT-POSTERIOR ARC	.2072	.1684	.3511	.3669	.3488	.3982	.3348	.3836	.3168	.5568	.2255
120 HEAD LENGTH	.4295	.2965	.9608	.9366	.8397	.7985	.6965	.4856	.6534	.3046	.2741
121 MAX HEAD DIAG/MENT	.6775	.4713	.5885	.5813	.5251	.5519	.5453	.4436	.3555	.4528	.3816
122 MAX HEAD DIAG/NUCH	.3384	.3509	.5862	.5975	.5047	.6419	.5335	.4943	.3493	.5709	.3309
123 EAR LENGTH	.1318	.1394	.1512	.1797	.1096	.2176	.1043	.1736	.0583	.3018	.2296
124 EAR LGTH ABOVE TRG	.0679	.0131	.0914	.1067	.0482	.1560	.0540	.1029	.0293	.1489	.1538
125 EAR BREADTH	.1004	-.0071	.1180	.1550	.1157	.1877	.1372	.0935	.0451	.1688	.1401
126 EAR PROTRUSION	.0502	.0893	-.0344	-.0134	-.0492	-.0363	-.1026	-.0637	-.0601	.0733	.0746
127 HEAD BREADTH	.2033	.3522	.1126	.1040	.0894	.1042	.0732	.1681	-.0050	.3357	.1004
128 AGE	.0960	.2090	.0472	.0666	.0137	.0829	-.0457	.1140	.0011	.2623	.1678
129 BITRAGON DIAMETER	.1246	.0992	.1013	.1030	.0874	.1580	.1233	.2192	-.0170	.3998	.1943
130 BIZYGOMATIC DIAM	.1901	.1952	.1633	.1518	.1158	.1838	.1696	.2534	-.0362	.5096	.2015
131 MAX FRONTAL DIAM	.1812	.1987	.1860	.1751	.1364	.2033	.2162	.2369	.0073	.3990	.2152
132 BIGONIAL DIAMETER	.1904	.1703	.1771	.1805	.1374	.1929	.1436	.2148	.0526	.4441	.2173
133 BIOCLAR DIAMETER	.1956	.1217	.2556	.2386	.2381	.2595	.3501	.2313	.0749	.3039	.1582
134 INTERPUPTLLARY OST	.1532	.0735	.2279	.1990	.1986	.2077	.3048	.1824	.0652	.2171	.1354
135 INTEROCULAR DIAM	.1493	.0783	.2265	.2013	.1695	.1582	.2532	.1228	.0505	.1480	.0634

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965											
	151	152	153	154	155	156	157	158	159	169	170
136 NASAL ROOT BREADTH	.1209	.0623	.2099	.1973	.1858	.1561	.2440	.1182	.1007	.1305	.0684
137 NASAL BREADTH	.1817	-.0340	.2161	.1666	.2514	.1806	.4247	.1600	.1390	.1298	.0283
138 NOSE PROTRUSION	.0903	.1089	.0513	.1042	.0185	.2220	-.0473	.0167	.0226	.1049	.1767
139 PHILTRUM LENGTH	.2093	.0885	.1352	.1303	.1390	.1214	.1677	.0237	.0607	.1296	.0521
140 LIP-LIP DISTANCE	.2280	-.0438	.1585	.1342	.2447	.1576	.3984	.0052	.1669	.0399	.0655
141 LIP LENGTH	.1297	.0251	.1509	.1257	.1272	.1508	.2817	.1928	.0329	.1580	.0652
142 LIP LENGTH SMILING	.1102	.0690	.1169	.1004	.1010	.1368	.2037	.1584	.0250	.1747	.0911
143 MENTON-SUBNASALE L	.5850	.1410	.2717	.2702	.2685	.2531	.3040	-.0696	.1642	.1652	.1639
144 MENTON-NASAL RT DP	.6217	.2004	.3048	.3359	.2901	.3456	.2911	.0126	.1968	.2260	.2641
145 SUBNAS-NAS RT DPTH	.2380	.0976	.1073	.1779	.1318	.2824	.0945	.0175	.0903	.1214	.2196
146 VERTEX-GLABELLA HT	.6361	.5298	.2059	.1405	.0584	-.0680	-.1543	-.2129	-.0289	.0618	.0485
147 VERTEX-NASAL RT DP	.7223	.5295	.2774	.1785	.1239	-.0494	-.0982	-.2139	-.0033	.0756	.0759
148 VERTEX-EXT CANT HT	.6999	.7228	.2670	.2039	.1282	.0318	-.0509	.1325	.0214	.1208	.0631
149 VERTEX-PRONASALE H	.7542	.5199	.2673	.2032	.1186	-.0154	-.1688	-.2820	-.0141	.0343	.0711
150 VERTEX-STOMION HT	.8871	.5493	.3580	.2969	.2327	.1137	.0178	-.2291	.0597	.1257	.1523
151 VERTEX-MENTON HT	.5286	.4224	.4224	.3719	.3034	.2185	.1509	-.1304	.1390	.1988	.2094
152 VERTEX-TRAGION HT	.5286	.2955	.2955	.2833	.2223	.2308	.1318	.1188	.1740	.2201	.1927
153 WALL-GLABELLA DIST	.4224	.2955	.2955	.9615	.8638	.8267	.7334	.5360	.6877	.3510	.2833
154 WALL-NAS RT DEP DT	.3719	.2833	.9615	.8628	.8628	.8808	.7563	.5748	.7025	.3636	.3085
155 WALL-EX CANT DIST	.3034	.2223	.8638	.8628	.8061	.8061	.7725	.5671	.8255	.3120	.2436
156 WALL-PRONASALE DST	.2135	.2308	.8267	.8808	.8061	.8061	.8630	.7186	.6962	.4160	.3577
157 WALL-STOMION DIST	.1509	.1318	.7334	.7563	.7725	.8630	.8630	.7671	.6701	.3970	.2897
158 WALL-MENTON DIST	-.1304	.1188	.5360	.5748	.5671	.7186	.7571	.5409	.4876	.3266	.3266
159 WALL-TRAGION DIST	.1390	.1740	.6877	.7025	.8255	.6962	.6701	.5409	.2149	.2084	.4954
169 WEIGHT REPORTED	.1988	.2201	.3510	.3636	.3120	.4160	.3970	.4876	.2149	.2084	.4954
170 STATURE REPORTED	.2094	.1927	.2833	.3085	.2436	.3577	.2897	.3266	.2084	.4954	

Section VIII

THE CORRELATIONS--ARMY WOMEN SEP 1946

In 1946, at the close of World War II, the U. S. Army collected anthropometric data on somewhat more than 8,000 members of the Women's Army Corps and the Army Nurse Corps. A total of 64 measurements were made on each woman; statistics for 51 of them were reported in Randall and Munro (1949). The original sample consisted of 4302 enlisted WAC's, 467 WAC officers, and 3489 Army nurses. The data, usually recorded in centimeter units, were originally punched in an unconventional fashion, using up to four punches per column. As part of the development of the AMRL data bank, these cards were transferred onto magnetic tape and were then edited by the Anthropology Research Project. The data used here consisted of the 8118 edited records for which the data were complete. In the transfer of the data to tape, technical difficulties resulted in the loss of some of the data relating to the measurements of the feet; the five foot measurements have, therefore, been deleted from this study. Descriptions of the measuring techniques are given in Randall's 1949 report. The punched data were made available to the Aerospace Medical Research Laboratory by Robert M. White of the Army's Natick Laboratories.

The age range of the sample was from 18 to well over 50, with roughly half the subjects between 22 and 26. The nurses and enlisted WAC's, according to Randall, had mean ages of slightly over 26 years, the commissioned WAC's averaged 31 years. Educational background was given as 3% grade school, 37% high school, 39% special training, 17% college, and 3% post graduate or professional training.

Correlations for age and 59 body size measurements appear in Table VIII.

TABLE VIII

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 WEIGHT	.4015														
2 STATURE	.4175	.4015													
3 CERVICALE HEIGHT	.9742	.9742	.4175												
4 SHOULDER HEIGHT	.9590	.9590	.9668	.4245	.4288	.2069	.3332	.3697	.3113	.3535	.3212	.3677	.4387	.6438	.6408
5 WAIST HEIGHT	.4288	.9261	.9331	.9590	.9261	.8214	.7989	.7552	.7334	.5906	.6432	.6739	.7916	.6847	.2319
6 CROTCH HEIGHT	.2069	.9380	.9331	.9668	.9331	.8198	.8034	.7538	.6873	.5539	.6589	.6822	.8049	.7064	.2510
7 HIP HEIGHT	.3332	.9261	.9331	.9590	.9261	.8198	.8034	.7538	.6873	.5539	.6589	.6822	.8049	.7064	.2510
8 DACTYLION HEIGHT	.3597	.7552	.7538	.8034	.7044	.5714	.5729	.4401	.6174	.7854	.4149	.2737	.6904	.6239	.2128
9 SITTING HEIGHT	.3113	.7334	.5873	.6726	.5731	.4299	.4401	.6174	.7854	.4149	.2737	.6904	.6239	.2128	.2055
10 TRUNK HEIGHT, SIT	.3535	.5906	.5539	.5617	.4673	.3078	.3590	.5626	.7854	.4149	.2737	.6904	.6239	.2128	.2055
11 SHOULDER ELBOW LEN	.3212	.6432	.6589	.6488	.6617	.6185	.5798	.3456	.4149	.2737	.6904	.6239	.2128	.2055	.2055
12 ELBOW-FINGERTIP	.3677	.6739	.6822	.6705	.6829	.6432	.5997	.3693	.4384	.3138	.6904	.6239	.2128	.2055	.2055
13 KNEE HEIGHT, SITTING	.4387	.7916	.8049	.7941	.8192	.7623	.7023	.5642	.4732	.3797	.6239	.6754	.6748	.6748	.2871
14 BUTTOCK-KNEE LENGTH	.6438	.6847	.7064	.7031	.7399	.6180	.6265	.5336	.3347	.2761	.5401	.5493	.6748	.6748	.4180
15 CHEST DEPTH	.6408	.2319	.2510	.2535	.2678	.1603	.2043	.2082	.1561	.2055	.2128	.2296	.2871	.4180	.5950
16 TRUNK DEPTH	.7918	.1283	.1619	.1700	.2044	.0336	.1455	.1576	.0705	.1149	.1917	.1915	.2230	.4715	.5950
17 CHEST BREADTH	.5759	.2094	.2039	.2176	.2180	.0912	.2222	.1778	.1246	.1782	.1707	.1923	.1868	.3366	.3294
18 BI-ILIAC BREADTH	.3903	.2309	.2277	.2475	.2367	.1172	.1991	.2223	.1373	.2107	.0950	.1080	.1578	.2863	.2772
19 SHOULDER BREADTH	.7993	.2225	.2386	.2409	.2513	.0830	.1885	.1979	.1643	.2100	.2221	.2545	.2728	.4558	.5097
20 NIPPLE-NIPPLE BRTH	.4307	.1803	.1899	.2002	.2259	.1514	.2155	.1363	.0881	.1136	.2320	.2477	.2286	.3058	.3501
21 ELBOW-ELBOW BRIOTH	.7833	.1046	.1301	.1427	.1635	.0027	.1217	.1373	.0448	.1166	.1416	.1774	.1978	.4094	.5513
22 HIP BREADTH, SITING	.7535	.2017	.2216	.2261	.2349	.0489	.1459	.2287	.2407	.2645	.2212	.2389	.2761	.4556	.4625
23 NECK CIRCUMFERENCE	.6401	.2142	.2255	.2155	.2240	.0955	.1738	.1733	.1983	.1903	.2056	.2366	.2460	.3453	.4694
24 BUST CIRCUMFERENCE	.8266	.1511	.1719	.1943	.2038	.0493	.1573	.1889	.0982	.1850	.1637	.1926	.2332	.4469	.6294
25 CHEST C/BELW BUST	.8002	.1631	.1852	.2084	.2009	.0538	.1485	.2027	.1294	.1965	.1831	.2122	.2514	.4364	.6148
26 WAIST CIRCUMFERENCE	.8410	.1725	.2054	.2169	.2385	.0642	.1802	.1930	.1197	.1755	.2039	.2224	.2651	.4694	.6066
27 HALF-WAY TO HIP CIR	.8485	.2683	.2920	.3028	.3274	.1346	.2751	.2682	.1746	.2368	.2486	.2653	.3227	.5407	.5780
28 HIP CIRCUMFERENCE	.8957	.2930	.3079	.3182	.3306	.0988	.2570	.3021	.2210	.2937	.2254	.2703	.3326	.5787	.5519
29 VERTICAL TRUNK CIR	.7747	.5210	.5272	.5451	.4645	.2151	.3487	.5412	.5486	.5469	.3215	.3499	.4172	.5435	.5031
30 ARM SCYE CIRCUMFER	.6598	.2267	.2539	.2614	.2605	.1310	.1684	.1966	.2082	.2070	.2746	.2679	.2996	.4103	.4809
31 BICEPS CIR/RELAXED	.8175	.0631	.0874	.0936	.1127	.0555	.0688	.1041	.0709	.1477	.1118	.1598	.1790	.3946	.5543
32 FOREARM C/RELAXED	.7723	.1825	.2003	.1944	.1984	.0650	.1539	.1618	.1650	.1997	.1949	.2654	.2724	.4108	.5323
33 WRIST CIRCUMFERENCE	.5834	.3047	.3153	.3014	.2949	.1714	.2233	.1984	.2930	.2590	.2635	.3565	.3190	.3512	.4198
34 UPPER THIGH CIRCUM	.8373	.1455	.1649	.1722	.1794	.0386	.1276	.1942	.1436	.2123	.1253	.1693	.2195	.4596	.5020
35 MID-THIGH CIRCUMF	.7268	.1130	.1358	.1335	.1414	.0191	.0921	.1497	.1483	.1652	.1200	.1734	.1970	.3830	.4477
36 SHOULDER LENGTH	.1907	.2881	.2988	.2251	.2721	.2427	.2173	.1182	.2315	.1456	.2343	.2716	.2620	.2179	.0981
37 CERVICALE-LAT NECK	.2760	.1143	.0773	.0831	.0988	.0472	.0478	.0692	.1016	.1234	.0637	.0715	.1214	.1614	.1481
38 INTERSCYE	.4953	.1640	.1588	.1462	.1678	.0589	.1587	.1075	.0720	.1348	.1220	.1358	.1681	.2932	.3210
39 WAIST BACK LENGTH	.2334	.5691	.6096	.5516	.4172	.3716	.3549	.4757	.5468	.4170	.3394	.3598	.3885	.3120	.1650
40 WAIST FRONT LENGTH	.3194	.4051	.3775	.3796	.2806	.2355	.2468	.3705	.4298	.4542	.2095	.2500	.2890	.2783	.2439
41 STRAP LENGTH	.6964	.1838	.1938	.1980	.1947	.0637	.1570	.1802	.1458	.1951	.1623	.1828	.2127	.3838	.5064
42 LATERAL NECK-WAIST	.5195	.4164	.4094	.4281	.3417	.2827	.2827	.4121	.4246	.4277	.2859	.3189	.3739	.3704	.3704
43 AXILLA TO WAIST PT	.0092	.2920	.2872	.3026	.1612	.1795	.1746	.3048	.3164	.2515	.1216	.1575	.1497	.0695	.0386
44 CROTCH LENGTH	.6925	.2376	.2486	.2571	.2730	.0100	.1641	.2751	.2864	.3226	.1562	.1781	.2347	.4238	.4464
45 HEAD CIRCUMFERENCE	.3802	.2721	.2564	.2498	.2470	.1839	.1959	.1845	.2451	.1914	.2220	.2645	.2717	.2844	.2667

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 HEAD LENGTH	.2584	.2926	.2665	.2667	.2588	.2058	.2146	.2003	.2372	.1775	.1990	.2371	.2475	.2447	.1674
47 CANTHUS-OTOBASION	.1950	.1420	.1432	.1350	.1338	.1137	.0380	.0833	.1406	.0976	.1017	.1668	.1467	.1467	.1259
48 HEAD BREADTH	.2231	.0986	.0874	.0875	.0834	.0356	.0399	.0613	.1159	.1202	.0812	.0883	.0895	.1202	.1578
49 HEAD HEIGHT	.1967	.1868	.1734	.1585	.1504	.1311	.1120	.1260	.1995	.1355	.1036	.1566	.1872	.1576	.1220
50 FACE LENGTH	.1753	.2161	.1962	.1919	.1788	.1463	.1802	.1209	.1627	.1319	.1473	.1847	.1698	.1604	.1160
51 MINIMUM FRONTAL BR	.1952	.1550	.1624	.1589	.1585	.1334	.0332	.0982	.1808	.1215	.1240	.1593	.1939	.1832	.1368
52 FACE BREADTH	.3952	.1919	.2002	.1924	.1912	.1185	.1242	.1298	.1775	.1715	.1800	.1928	.2043	.2498	.2684
53 BIOCULAR BREADTH	.2021	.1757	.1841	.1655	.1796	.1758	.1359	.0844	.1356	.0703	.1915	.2079	.2370	.2067	.1500
54 INTEROCULAR BR{OTH	.1399	.0938	.1015	.0910	.0934	.1026	.0354	.0499	.0849	.0596	.0999	.1447	.1694	.1203	.1060
55 NOSE LENGTH	.0274	.0908	.0779	.0732	.0661	.0599	.0356	.0338	.0659	.0550	.0603	.0836	.0570	.0367	.0337
56 NASAL ROOT BREADTH	.1041	.0526	.0645	.0504	.0584	.0808	.0489	.0083	.0399	.0069	.0645	.1329	.1054	.0798	.0630
57 NOSE BREADTH	.1870	.0585	.0622	.0580	.0756	.0528	.0725	-.0020	-.0038	.0066	.0775	.1279	.1033	.1220	.1295
58 HAND LENGTH	.3164	.6535	.6525	.6401	.6414	.5898	.5311	.3213	.4318	.3267	.4979	.6675	.6098	.4861	.2128
59 HAND BREADTH	.3321	.2876	.2925	.2797	.2640	.2329	.1972	.1712	.2609	.2053	.2436	.3445	.3065	.2655	.2457
65 AGE	.0465	-.0417	-.0339	-.0264	-.0455	-.0465	-.0449	.0121	-.0015	.0502	.0001	-.0216	-.0337	.0068	.1504

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 WEIGHT	.7918	.5759	.3903	.7993	.4307	.7833	.7535	.6401	.8266	.8002	.8410	.8485	.8957	.7747	.6598
2 STATURE	.1283	.2094	.2309	.2225	.1803	.1046	.2017	.2142	.1511	.1631	.1725	.2683	.2930	.5210	.2267
3 CERVICALE HEIGHT	.1619	.2039	.2277	.2386	.1899	.1301	.2216	.2265	.1719	.1852	.2064	.2920	.3079	.5272	.2539
4 SHOULDER HEIGHT	.1700	.2176	.2475	.2409	.2002	.1427	.2261	.2155	.1943	.2084	.2169	.3028	.3182	.5451	.2614
5 WAIST HEIGHT	.2044	.2180	.2367	.2513	.2259	.1635	.2349	.2240	.2038	.2009	.2385	.3274	.3306	.4645	.2605
6 CROTCH HEIGHT	.0336	.0812	.1172	.0830	.1514	.0027	.0459	.0955	.0493	.0638	.0642	.1346	.0988	.2151	.1310
7 HIP HEIGHT	.1455	.2222	.1991	.1885	.2155	.1217	.1459	.1738	.1573	.1485	.1802	.2751	.2570	.3487	.1684
8 DACTYLION HEIGHT	.1576	.1778	.2223	.1979	.1363	.1373	.2287	.1733	.1889	.2027	.1930	.2682	.3021	.5412	.1966
9 SITTING HEIGHT	.0705	.1246	.1373	.1643	.0881	.0448	.2407	.1983	.0982	.1294	.1197	.1746	.2210	.5486	.2082
10 TRUNK HEIGHT, SIT	.1149	.1782	.2107	.2100	.1136	.1166	.2645	.1903	.1850	.1965	.1755	.2368	.2937	.5469	.2070
11 SHOULDER ELBOW LEN	.1917	.1707	.0950	.2221	.2320	.1416	.2212	.2056	.1637	.1831	.2039	.2486	.2254	.3215	.2746
12 ELBOW-FINGERTIP	.1915	.1923	.1080	.2545	.2477	.1774	.2389	.2366	.1926	.2122	.2224	.2653	.2703	.3499	.2679
13 KNEE HEIGHT, SITNG	.2230	.1868	.1578	.2728	.2286	.1978	.2761	.2460	.2332	.2514	.2651	.3227	.3326	.4172	.2996
14 BUTTOK-KNEE LENGTH	.4715	.3366	.2863	.4558	.3058	.4094	.4556	.3453	.4469	.4364	.4694	.5407	.5787	.5435	.4103
15 CHEST DEPTH	.5950	.3294	.2772	.5097	.3501	.5513	.4625	.4694	.6294	.6148	.6066	.5780	.5519	.5031	.4809
16 TRUNK DEPTH	.4616	.3221	.6979	.3893	.7271	.6298	.5416	.7630	.7305	.8496	.7752	.7182	.5926	.5891	.5891
17 CHEST BREADTH	.3221	.3508	.3508	.5974	.3303	.5258	.3447	.4185	.5667	.5398	.5233	.5404	.5270	.4214	.3347
18 BI-ILIAC BREADTH	.3221	.3508	.3508	.5974	.3303	.5258	.3447	.4185	.5667	.5398	.5233	.5404	.5270	.4214	.3347
19 SHOULDER BREADTH	.6979	.5974	.3349	.3349	.3060	.8020	.6062	.5917	.7556	.7419	.7531	.7014	.7207	.6012	.6013
20 NIPPLE-NIPPLE BTH	.3893	.3303	.1972	.3060	.3388	.3388	.2846	.2889	.4660	.4024	.4076	.4160	.3884	.3026	.2516
21 ELBOW-ELBOW BTH	.7271	.5258	.3178	.8020	.3388	.6149	.6149	.6149	.5720	.7556	.7555	.7988	.7161	.5603	.5854
22 HIP BREADTH, SITNG	.6298	.3447	.2778	.6062	.2846	.6149	.6149	.6149	.5720	.7556	.7555	.7988	.7161	.5603	.5854
23 NECK CIRCUMFERENCE	.5416	.4185	.2335	.5917	.2889	.7556	.7556	.7556	.5919	.8757	.8330	.8361	.7207	.6920	.6158
24 BUST CIRCUMFERENCE	.7630	.5667	.3317	.7556	.4660	.7576	.6025	.5848	.8757	.8330	.8361	.7207	.6920	.6158	.6158
25 CHEST C/BELW BUST	.7305	.5398	.2829	.7419	.4024	.7555	.5930	.5919	.8757	.8330	.8361	.7207	.6920	.6158	.6158
26 WAIST CIRCUMFERENCE	.8496	.5233	.3516	.7531	.4076	.7988	.6507	.6341	.8330	.8361	.7207	.6920	.6158	.6158	.6158
27 HALFWAY TO HIP CIR	.7752	.5404	.4060	.7014	.4160	.7283	.6710	.5524	.7625	.7207	.8255	.8255	.8448	.7056	.5690
28 HIP CIRCUMFERENCE	.7182	.5270	.4028	.7207	.3884	.7161	.7751	.5402	.7388	.6920	.7616	.8448	.7056	.5690	.5690
29 VERTICAL TRUNK CIR	.5926	.4214	.3258	.6012	.3026	.5603	.5980	.5182	.6108	.6000	.6493	.6732	.7056	.5521	.5521
30 ARM SCYE CIRCUMFER	.5891	.3347	.1655	.6013	.2516	.5854	.5472	.5221	.6022	.6158	.6559	.5781	.5690	.5521	.5521
31 BICEPS CIR/RELAXED	.7226	.4508	.2509	.7394	.3308	.7556	.6709	.5808	.7399	.7134	.7654	.7287	.7523	.5935	.6561
32 FOREARM C/RELAXED	.6107	.4128	.2080	.6832	.3163	.6948	.5777	.6077	.6561	.6596	.6829	.6319	.6703	.5791	.6177
33 WRIST CIRCUMFERENCE	.4346	.3039	.1616	.4877	.2382	.4783	.4138	.4964	.4523	.4716	.5019	.4697	.4801	.5050	.4951
34 UPPER THIGH CIRCUM	.6745	.4673	.3050	.6814	.3309	.6889	.7493	.5151	.6890	.6522	.7021	.7356	.8531	.6366	.5561
35 MID-THIGH CIRCUMF	.5896	.3308	.1669	.5987	.2653	.5984	.6619	.4670	.5813	.5841	.6021	.5868	.6714	.5214	.5326
36 SHOULDER LENGTH	.0915	.1780	.0289	.2408	.0340	.1121	.1216	.1347	.1006	.1331	.1176	.1232	.1259	.1846	.1405
37 CERVICALE-LAT NECK	.1979	.1963	.1412	.2743	.0775	.2181	.1680	.2806	.2622	.2436	.2265	.2176	.2393	.1736	.2026
38 INTERSCYE	.3754	.5217	.2848	.5328	.2091	.4598	.2643	.3741	.5055	.4578	.4232	.4353	.4513	.3107	.1873
39 WAIST BACK LENGTH	.0334	.1059	.0911	.1326	.0507	.0425	.1209	.1716	.0649	.0864	.0865	.1251	.1642	.4032	.1635
40 WAIST FRONT LENGTH	.1537	.1697	.1178	.2100	.1451	.1682	.2170	.2023	.2290	.2831	.1966	.2180	.2347	.4071	.2290
41 STRAP LENGTH	.6322	.4652	.2917	.6012	.3080	.6006	.4837	.4939	.7478	.6004	.6681	.6597	.6097	.5420	.4920
42 LATERAL NECK-WAIST	.3764	.3130	.1918	.4073	.2571	.3568	.3586	.3400	.5057	.4593	.4239	.4319	.4239	.5783	.3842
43 AXILLA TO WAIST PT	.1075	.0047	.0162	.0447	.0328	.0933	.0376	.0102	.0973	.0660	.0797	.0438	.0400	.2277	.0441
44 CROTCH LENGTH	.6181	.3406	.2581	.5609	.2686	.5566	.5881	.4709	.5757	.5505	.6413	.6494	.6764	.7642	.5083
45 HEAD CIRCUMFERENCE	.2613	.2185	.1175	.3170	.1519	.2788	.2792	.4065	.2857	.3101	.3105	.2881	.2895	.3279	.2970

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 HEAD LENGTH	.1394	.1649	.1052	.1900	.0823	.1496	.1522	.2316	.1764	.1787	.1699	.1836	.1974	.2345	.1486
47 CANTHUS-OTOBASION	.1271	.1010	-.0148	.1745	.0571	.1640	.1533	.1485	.1403	.1813	.1694	.1330	.1317	.1777	.1988
48 HEAD BREADTH	.1439	.1444	.1353	.2028	.0979	.1929	.1693	.2457	.1797	.2025	.1971	.1730	.1657	.1744	.1704
49 HEAD HEIGHT	.1079	.0077	-.0048	.1541	.0346	.1504	.1860	.2050	.1441	.1719	.1679	.1333	.1344	.1989	.1777
50 FACE LENGTH	.0772	.1549	.0875	.1241	.0846	.1080	.0954	.1641	.0964	.1034	.1054	.1423	.1497	.1724	.0763
51 MINIMUM FRONTAL BR	.1414	-.0651	.0075	.1632	.0039	.1393	.2214	.1572	.1552	.1873	.1680	.1074	.1289	.1764	.2938
52 FACE BREADTH	.2866	.2256	.1918	.3632	.1627	.3377	.3028	.4018	.3294	.3580	.3476	.3088	.3175	.3216	.3279
53 BIOCULAR BREADTH	.1368	.0340	.0112	.1763	.0610	.1468	.1838	.3269	.1454	.1819	.1797	.1263	.1286	.1822	.2468
54 INTEROCULAR BR(OTH	.0887	-.0244	-.0151	.1306	.0102	.1094	.1361	.1759	.1013	.1387	.1231	.0735	.0827	.1309	.1749
55 NOSE LENGTH	-.0237	.0499	.0113	.0206	.0222	.0065	.0067	.0416	-.0087	-.0014	-.0010	.0400	.0268	.0570	-.0121
56 NASAL ROOT BREADTH	.0700	-.0126	-.0684	.1100	.0119	.0890	.0805	.0947	.0710	.1068	.1036	.0473	.0552	.0884	.1319
57 NOSE BREADTH	.1345	.1451	.0593	.1792	.0655	.1641	.0973	.2585	.1433	.1555	.1686	.1190	.1430	.1186	.1423
58 HAND LENGTH	.1241	.1597	.1759	.2134	.1559	.1203	.1452	.2112	.1440	.1593	.1695	.1999	.2186	.3217	.2211
59 HAND BREADTH	.1968	.1491	.0283	.2889	.1280	.2385	.2185	.2552	.2152	.2673	.2521	.2241	.2319	.3073	.3187
65 AGE	.1565	.0446	.0972	.0174	.0164	.1172	.0746	.0446	.0660	.1084	.1720	.1295	.0509	.1215	.0735

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPARATEES--1946

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 WEIGHT	.8175	.7723	.5834	.8373	.7268	.1907	.2760	.4953	.2334	.3194	.6964	.5195	-.0092	.6925	.3802
2 STATURE	.0631	.1825	.3047	.1455	.1130	.2881	.1143	.1640	.5691	.4051	.1838	.4164	.2920	.2376	.2721
3 CERVICALE HEIGHT	.0874	.2003	.3153	.1649	.1368	.2988	.0773	.1588	.6096	.3775	.1938	.4094	.2872	.2486	.2564
4 SHOULDER HEIGHT	.0936	.1944	.3014	.1722	.1335	.2251	.0831	.1462	.5516	.3796	.1980	.4281	.3026	.2571	.2498
5 WAIST HEIGHT	.1127	.1984	.2949	.1794	.1414	.2721	.0988	.1678	.4172	.2806	.1947	.3417	.1612	.2730	.2470
6 CROTCH HEIGHT	-.0555	.0650	.1714	-.0386	-.0191	.2427	.0472	.0689	.3716	.2355	.0637	.2272	.1795	.0100	.1839
7 HIP HEIGHT	.0688	.1539	.2233	.1276	.0921	.2173	.0478	.1587	.3549	.2468	.1570	.2827	.1746	.1641	.1959
8 DACTYLION HEIGHT	.1041	.1618	.1984	.1942	.1497	.1182	.0592	.1075	.4757	.3705	.1802	.4121	.3048	.2751	.1845
9 SITTING HEIGHT	.0709	.1650	.2930	.1436	.1483	.2315	.1016	.0720	.5466	.4298	.1458	.4246	.3164	.2864	.2451
10 TRUNK HEIGHT, SIT	.1477	.1997	.2590	.2123	.1652	.1456	.1234	.1348	.4170	.4542	.1951	.4277	.2515	.3226	.1914
11 SHOULDER ELBOW LEN	.1118	.1949	.2635	.1253	.1200	.2343	.0537	.1220	.3394	.2095	.1623	.2602	.1216	.1562	.2220
12 ELBOW-FINGERTIP	.1598	.2654	.3565	.1693	.1734	.2716	.0715	.1358	.3598	.2500	.1828	.2859	.1575	.1781	.2645
13 KNEE HEIGHT, SITTING	.1790	.2724	.3130	.2195	.1970	.2520	.1214	.1681	.3885	.2890	.1828	.3189	.1497	.2347	.2717
14 BUTTOCK-KNEE LENGTH	.3946	.4108	.3512	.4596	.3830	.2179	.1614	.2932	.3120	.2783	.3838	.3739	.0695	.4238	.2844
15 CHEST DEPTH	.5543	.5323	.4198	.5020	.4477	.0981	.1481	.3210	.1650	.2439	.5064	.3704	.0386	.4464	.2667
16 TRUNK DEPTH	.7226	.6107	.4346	.6745	.5896	.0916	.1379	.3754	.0334	.1537	.6322	.3764	.1075	.6181	.2613
17 CHEST BREADTH	.4508	.4128	.3039	.4673	.3308	.1780	.1953	.5217	.1059	.1897	.4652	.3130	.0047	.3406	.2185
18 BI-ILIAC BREADTH	.2509	.2080	.1616	.3060	.1669	.0289	.1412	.2848	.0911	.1178	.2917	.1918	.0162	.2581	.1175
19 SHOULDER BREADTH	.7394	.6832	.4877	.6814	.5987	.2408	.2743	.5328	.1326	.2100	.6012	.4073	.0447	.5609	.3170
20 NIPPLE-NIPPLE BRTH	.3308	.3163	.2382	.3309	.2653	.0340	.0775	.2091	.0507	.1451	.3080	.2571	.0328	.2686	.1519
21 ELBOW-ELBOW BRDTH	.7556	.6948	.4783	.6889	.5984	.1121	.2181	.4598	.0425	.1682	.6006	.3568	.0933	.5666	.2788
22 HIP BREADTH, SITTING	.6709	.5777	.4138	.7493	.6619	.1216	.1580	.2643	.1209	.2170	.4837	.3586	.0376	.5881	.2792
23 NECK CIRCUMFERENCE	.5808	.6077	.4964	.5151	.4670	.1347	.2806	.3741	.1716	.2023	.4939	.3400	.0102	.4709	.4065
24 BUST CIRCUMFERENCE	.7399	.6561	.4523	.6890	.5813	.1006	.2622	.5055	.0649	.2290	.7478	.5057	.0973	.5757	.2857
25 CHEST C/BELOW BUST	.7134	.6596	.4716	.6522	.5841	.1331	.2436	.4578	.0864	.2831	.6004	.4593	.0660	.5505	.3101
26 WAIST CIRCUMFERENCE	.7654	.6829	.5019	.7021	.6021	.1176	.2265	.4232	.0865	.1966	.6681	.4239	.0797	.6413	.3105
27 HALFWAY TO HIP CIR	.7287	.6319	.4697	.7356	.5868	.1232	.2176	.4353	.1251	.2180	.6597	.4319	.0438	.6494	.2881
28 HIP CIRCUMFERENCE	.7523	.6703	.4801	.8531	.6714	.1259	.2393	.4513	.1642	.2347	.6097	.4239	.0400	.6764	.2895
29 VERTICAL TRUNK CIR	.5935	.5791	.5050	.6366	.5214	.1846	.1736	.3107	.4032	.4071	.5420	.5783	.2277	.7642	.3279
30 ARM SCYE CIRCUMFER	.6561	.6177	.4951	.5561	.5326	.1405	.2026	.1873	.1635	.2290	.4920	.3842	.0441	.5083	.2970
31 BICEPS CIR/RELAXED	.8135	.5251	.5251	.7740	.7135	.0925	.2434	.3752	.0417	.1967	.6112	.3800	.1109	.6109	.2686
32 FOREARM C/RELAXED	.8135	.5251	.5251	.7740	.7135	.0925	.2434	.3752	.0417	.1967	.6112	.3800	.1109	.6109	.2686
33 WRIST CIRCUMFERENCE	.5251	.6544	.6544	.4691	.4691	.1056	.1927	.3768	.1097	.2037	.5545	.3736	.0323	.6366	.2615
34 UPPER THIGH CIRCUM	.7740	.6821	.4691	.4691	.4691	.1056	.1927	.3768	.1097	.2037	.5545	.3736	.0323	.6366	.2615
35 MID-THIGH CIRCUMF	.7135	.6553	.4587	.8084	.8084	.1504	.1456	.2540	.1147	.2037	.4612	.3537	.0172	.5233	.2715
36 SHOULDER LENGTH	.0925	.1670	.2194	.1056	.1504	.1504	.1456	.2540	.1147	.2037	.4612	.3537	.0172	.5233	.2715
37 CERVICALE-LAT NECK	.2434	.2400	.1500	.1927	.1456	.0946	.3375	.3375	.0998	.0998	.1147	.2521	.0089	.1477	.1543
38 INTERSCYE	.3752	.3711	.2463	.1097	.1147	.2352	.0095	.0998	.0998	.0998	.1147	.2521	.0089	.1477	.1543
39 WAIST BACK LENGTH	.0417	.1614	.2456	.1097	.1147	.2352	.0095	.0998	.0998	.0998	.1147	.2521	.0089	.1477	.1543
40 WAIST FRONT LENGTH	.1967	.2458	.2549	.2037	.2037	.1545	.1147	.0990	.3052	.3052	.1190	.1981	.5047	.2956	.3408
41 STRAP LENGTH	.6112	.5346	.3882	.5545	.4612	.1374	.2521	.4570	.1190	.1981	.5047	.2956	.3408	.0303	.0528
42 LATERAL NECK-WAIST	.3800	.3741	.3678	.3736	.3537	.2472	.0089	.1745	.3006	.6184	.5047	.2956	.3408	.0303	.0528
43 AXILLA TO WAIST PT	.1109	.0285	.0829	.0323	.0172	.1518	.1477	.1200	.3690	.2781	.0468	.2956	.3408	.0303	.0528
44 CROTCH LENGTH	.6109	.5314	.4128	.6366	.5233	.1079	.1543	.2688	.0806	.1224	.4963	.3408	.0303	.0528	.2680
45 HEAD CIRCUMFERENCE	.2586	.3339	.3077	.2615	.2715	.1755	.1316	.1691	.1588	.1638	.2547	.2318	.0528	.2680	.2680

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 HEAD LENGTH	.1255	.1936	.2061	.1543	.1391	.1147	.0925	.1462	.1518	.1417	.1725	.1770	.0629	.1538	.6247
47 CANTHUS-OTOBASION	.1571	.2067	.2134	.1348	.1617	.1543	.0301	.0300	.1144	.1235	.1325	.1587	.0929	.1384	.2762
48 HEAD BREADTH	.1719	.1922	.1629	.1491	.1259	.0598	.1215	.1556	.0525	.0884	.1452	.0997	-.0237	.1377	.4508
49 HEAD HEIGHT	.1550	.1864	.1760	.1349	.1902	.1270	.0529	.0444	.1256	.1111	.1348	.1473	.0812	.1728	.2953
50 FACE LENGTH	.0830	.1278	.1418	.1031	.0585	.0757	.0896	.1350	.1418	.1165	.1065	.1184	.0711	.1086	.2161
51 MINIMUM FRONTAL BR	.1623	.1766	.1868	.1101	.1611	.0812	.1143	-.0257	.0890	.0844	.0927	.1184	-.0615	.1551	.3135
52 FACE BREADTH	.3264	.3730	.3361	.2950	.2869	.1503	.1478	.2122	.1247	.1491	.2570	.2098	-.0011	.2525	.4201
53 BIOCULAR BREADTH	.1556	.2295	.2199	.1273	.1767	.1673	.0579	.0544	.1267	.0970	.1268	.1230	.0076	.1571	.4355
54 INTEROCULAR BREADTH	.1209	.1955	.1791	.0960	.1527	.1201	.0536	.0278	.0817	.0845	.0815	.0815	.0150	.1122	.3052
55 NOSE LENGTH	-.0070	.0119	.0286	.0009	-.0276	.0312	.0400	.0496	.0552	.0698	.0060	.0347	.0400	.0376	.0656
56 NASAL ROOT BREADTH	.1032	.1627	.1608	.0866	.1590	.1286	-.0281	-.0173	.0768	.0665	.0530	.0842	.0521	.0830	.1716
57 NOSE BREADTH	.1586	.2226	.1833	.1451	.1312	.0947	.0717	.1312	.0336	.0693	.1459	.0732	-.0305	.1129	.2022
58 HAND LENGTH	.0914	.2265	.3693	.1105	.0921	.2565	.0890	.1430	.3529	.2516	.1456	.2640	.1396	.1483	.2507
59 HAND BREADTH	.2602	.4030	.4800	.2165	.2771	.2341	.0575	.1047	.2369	.2282	.2103	.2681	.1198	.2145	.2623
65 AGE	.0804	.0557	.0358	-.0165	-.0678	-.0296	-.0380	.0241	-.0102	.1074	.1476	.0935	.0032	.1130	.0487

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	65
1 WEIGHT	.2584	.1950	.2231	.1967	.1753	.1952	.3952	.2021	.1399	.0274	.1041	.1870	.3164	.3321	.0465
2 STATURE	.2926	.1420	.0986	.1868	.2161	.1550	.1919	.1757	.0938	.0308	.0526	.0585	.2876	.2876	.0417
3 CERVICAL HEIGHT	.2665	.1432	.0874	.1734	.1962	.1524	.2002	.1841	.1015	.0779	.0645	.0622	.6525	.2925	.0339
4 SHOULDER HEIGHT	.2667	.1350	.0875	.1585	.1919	.1589	.1924	.1655	.0910	.0732	.0504	.0580	.6401	.2797	.0264
5 WAIST HEIGHT	.2588	.1338	.0834	.1504	.1788	.1585	.1912	.1796	.0934	.0661	.0584	.0756	.6414	.2640	.0455
6 GROUCH HEIGHT	.2058	.1137	.0356	.1311	.1463	.1334	.1185	.1758	.1026	.0599	.0808	.0528	.5898	.2329	.0465
7 HIP HEIGHT	.2146	.0980	.0399	.1120	.1802	.0932	.1242	.1359	.0564	.0956	.0489	.0725	.5311	.1972	.0449
8 DACTYLION HEIGHT	.2003	.0833	.0613	.1260	.1209	.0982	.1298	.0844	.0493	.0338	.0083	.0020	.3218	.1712	.0121
9 SITTING HEIGHT	.2372	.1406	.1159	.1995	.1627	.1808	.1775	.1356	.0849	.0659	.0399	.0038	.4318	.2609	.0015
10 TRUNK HEIGHT, SIT	.1775	.0976	.1202	.1355	.1319	.1216	.1715	.0703	.0996	.0550	.0069	.0066	.3267	.2053	.0502
11 SHOULDER ELBOW LEN	.1990	.1017	.0812	.1036	.1473	.1240	.1800	.1315	.0999	.0603	.0645	.0775	.4979	.2436	.0001
12 ELBOW-FINGERTIP	.2371	.1668	.0883	.1566	.1847	.1593	.1928	.2079	.1447	.0835	.1329	.1279	.6675	.3445	.0216
13 KNEE HEIGHT, SITTING	.2475	.1457	.0895	.1872	.1698	.1339	.2043	.2370	.1494	.0570	.1064	.1033	.6098	.3065	.0337
14 BUTTOCK-KNEE LENGTH	.2447	.1457	.1202	.1576	.1604	.1932	.2498	.2067	.1203	.0367	.0798	.1220	.4861	.2655	.0068
15 CHEST DEPTH	.1674	.1259	.1578	.1220	.1160	.1368	.2684	.1500	.1060	.0337	.0630	.1295	.2128	.2457	.1504
16 TRUNK DEPTH	.1394	.1271	.1439	.1079	.0772	.1414	.2856	.1368	.0887	.0237	.0700	.1345	.1241	.1968	.1565
17 CHEST BREADTH	.1649	.1010	.1444	.0077	.1649	.0851	.2256	.0340	.0244	.0499	.0126	.1461	.1597	.1491	.0446
18 BI-ILIAC BREADTH	.1052	.0148	.1353	.0048	.0875	.0075	.1318	.0112	.0151	.0113	.0684	.0593	.1759	.0283	.0972
19 SHOULDER BREADTH	.1900	.1745	.2028	.1541	.1241	.1532	.3832	.1763	.1306	.0206	.1100	.1792	.2134	.2869	.0174
20 NIPPLE-NIPPLE BIRTH	.0823	.0571	.0979	.0346	.0846	.0039	.1627	.0610	.0102	.0222	.0119	.0655	.1559	.1280	.0164
21 ELBOW-ELBOW BIRTH	.1436	.1640	.1929	.1504	.1080	.1393	.3377	.1468	.1094	.0665	.0890	.1641	.1203	.2385	.1172
22 HIP BREADTH, SITTING	.1522	.1533	.1693	.1860	.0954	.2214	.3028	.1338	.1361	.0361	.0667	.0973	.1452	.2185	.0746
23 NECK CIRCUMFERENCE	.2316	.1485	.2457	.2050	.1641	.1572	.4018	.3269	.1753	.0416	.0947	.2585	.2112	.2552	.0446
24 BUST CIRCUMFERENCE	.1764	.1403	.1797	.1441	.0964	.1552	.3294	.1454	.1013	.0087	.0710	.1433	.1440	.2152	.0660
25 CHEST C/BELT BUST	.1787	.1813	.2025	.1719	.1034	.1373	.3580	.1819	.1387	.0014	.1068	.1555	.1593	.2673	.1084
26 WAIST CIRCUMFERENCE	.1699	.1694	.1971	.1679	.1054	.1880	.3476	.1797	.1231	.0010	.1036	.1886	.1695	.2521	.1720
27 HALFWAY TO HIP CIRC	.1836	.1330	.1730	.1333	.1423	.1074	.3088	.1263	.0735	.0400	.0473	.1190	.1999	.2241	.1295
28 HIP CIRCUMFERENCE	.1974	.1317	.1657	.1344	.1497	.1289	.3175	.1286	.0827	.0268	.0552	.1430	.2186	.2319	.0509
29 VERTICAL TRUNK CIRC	.2345	.1777	.1744	.1989	.1724	.1764	.3216	.1822	.1309	.0570	.0884	.1186	.3217	.3073	.1215
30 ARM SCYE CIRCUMFER	.1486	.1988	.1704	.1777	.0763	.2938	.3279	.2468	.1749	.0121	.1319	.1423	.2211	.3187	.0735
31 BICEPS CIRC/RELAXED	.1255	.1571	.1719	.1550	.0830	.1823	.3254	.1556	.1209	.0070	.1032	.1586	.0914	.2602	.0804
32 FOREARM C/RELAXED	.1936	.2067	.1922	.1864	.1178	.1766	.3730	.2295	.1955	.0119	.1627	.2226	.2265	.4030	.0557
33 WRIST CIRCUMFERENCE	.2061	.2134	.1629	.1760	.1418	.1868	.3361	.2199	.1791	.0286	.1608	.1833	.3693	.4800	.0368
34 UPPER THIGH CIRCUM	.1543	.1348	.1491	.1349	.1031	.1101	.2950	.1273	.0960	.0009	.0866	.1451	.1105	.2165	.0165
35 MID-THIGH CIRCUMF	.1391	.1617	.1259	.1902	.0585	.1511	.2869	.1767	.1527	.0276	.1590	.1312	.0921	.2771	.0678
36 SHOULDER LENGTH	.1147	.1543	.0698	.1270	.0757	.0812	.1503	.1673	.1201	.0312	.1286	.0947	.2565	.2341	.0296
37 CERVICAL-NECK	.0925	.0301	.1215	.0529	.0896	.1143	.1478	.0579	.0335	.0400	.0281	.0717	.0890	.0675	.0380
38 INTERSCYE	.1462	.0300	.1556	.0444	.1350	.0257	.2122	.0544	.0278	.0496	.0173	.1312	.1430	.1047	.0241
39 WAIST BACK LENGTH	.1518	.1144	.0525	.1256	.1438	.0990	.1247	.1267	.0917	.0552	.0768	.0336	.2368	.2368	.0102
40 WAIST FRONT LENGTH	.1417	.1235	.0884	.1111	.1165	.0844	.1491	.0970	.0845	.0698	.0665	.0693	.2516	.2282	.1074
41 STRAP LENGTH	.1725	.1325	.1452	.1348	.1065	.0927	.2370	.1268	.0815	.0660	.0530	.1459	.1456	.2103	.1476
42 LATERAL NECK-WAIST	.1770	.1587	.0997	.1473	.1184	.1184	.2098	.1230	.0815	.0747	.0842	.0732	.2640	.2681	.0935
43 AXILLA TO WAIST PT	.0629	.0929	.0237	.0812	.0711	.0815	.0011	.0076	.0150	.0400	.0621	.0305	.1396	.1198	.0032
44 GROUCH LENGTH	.1538	.1384	.1377	.1728	.1086	.1551	.2525	.1571	.1122	.0376	.0830	.1129	.1483	.2145	.1130
45 HEAD CIRCUMFERENCE	.6247	.2762	.4508	.2953	.2161	.3135	.4201	.4355	.3052	.0656	.1716	.2022	.2507	.2623	.0487

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

46	HEAD LENGTH	.2143	.1768	.1867	.2102	.1673	.2235	.2708	.2013	.0724	.1079	.1881	.2633	.0852	.0256
47	CANTHUS-OTOBASION	.2143	.1638	.1705	.2161	.1908	.1950	.0555	.1473	.2091	.1807	.1406	.1633	.3053	.0495
48	HEAD BREADTH	.1768	.1638	.1647	.1026	.3060	.5478	.2222	.2259	.0981	.0623	.1686	.1257	.0578	.0780
49	HEAD HEIGHT	.1867	.1705	.1647	.1048	.1881	.1510	.2038	.1895	.0332	.1623	.0769	.1401	.1826	.0138
50	FACE LENGTH	.2102	.2161	.1026	.1048	-.0552	.0153	.0546	.0933	.6793	.0892	.0250	.1737	.1438	.0349
51	MINIMUM FRONTAL BR	.1673	.1908	.3060	.1881	-.0552	.4648	.3816	.3490	-.115	.2130	.1125	.2152	.2117	-.0091
52	FACE BREADTH	.2235	.1950	.5478	.1510	.0153	.4648	.4081	.2992	-.0701	.1269	.2649	.2403	.1313	.0512
53	BIOCULAR BREADTH	.2708	.0555	.2222	.2038	.0546	.3816	.4081	.5272	-.0516	.2291	.2521	.1911	.1382	-.0155
54	INTEROCULAR BREADTH	.2013	.1473	.2259	.1895	.0933	.3490	.2992	.5272	.0554	.4275	.2154	.1555	.2028	-.0198
55	NOSE LENGTH	.0724	.2091	.0981	.0332	.6793	-.1115	-.0701	-.0516	.0554	.0051	.0334	.0587	.0602	.0358
56	NASAL ROOT BREADTH	.1079	.1807	.0623	.1623	.0892	.2130	.1269	.2291	.4275	.0051	.1871	.1156	.3194	-.0581
57	NOSE BREADTH	.1881	.1406	.1686	.0769	.0250	.1125	.2549	.2521	.2154	.0334	.1871	.1778	.0879	.0604
58	HAND LENGTH	.2633	.1633	.1257	.1401	.1737	.2152	.2403	.1911	.1555	.0587	.1156	.1778	.3855	-.0083
59	HAND BREADTH	.0852	.3053	.0578	.1826	.1438	.2117	.1313	.1382	.2028	.0602	.3194	.0879	.3855	.0219
65	AGE	.0256	.0495	.0780	.0138	.0349	-.0091	.0512	-.0155	-.0198	.0358	-.0581	.0604	-.0083	.0219

Section IX

THE CORRELATIONS--HEALTH EXAMINATION SURVEY--1960-62

In 1959, The National Center for Health Statistics began a series of Health Examination Surveys (HEXS). The first of these surveys, made in 1959-1962, was based on a scientifically selected sample of non-institutional civilian adults from 18 to 79 years of age. Of the 7710 individuals selected for inclusion in the sample, more than 85% (6672) participated in the survey. While anthropometry was only one small part of the project, 18 body size measurements were included, providing for the first time accurate assessments of the size of U. S. civilians. Background information about HEXS is provided in Cycle I of the Health Examination Survey (Gordon and Miller 1964); the anthropometric results are described in Weight, Height, and Selected Body Dimensions of Adults (Stoudt et al. 1965); Weight by Height and Age of Adults (Roberts 1966); and Skinfolds, Body Girths, Biacromial Diameter and Selected Indices of Adults (Stoudt et al. 1970).^{*} Data from this survey are available to the public by purchase of magnetic tapes from the National Center for Health Statistics. The statistics in this report were computed from the data on such tapes without modification.

The correlations based on the data for the 3581 women measured in this survey are given in Table IX and for the 3091 men in Table XI. Because of the wide age range of the sample, and because this range differs so substantially from that of the other samples reported on in this study, additional computations were carried out using the data for the 1165 women from 25-40 years in age (Table X) and for the 1012 men of the same age range (Table XII). All computations were based on the unweighted data values; there are, as a consequence, minor differences between the correlations given by Stoudt et al. (1970) and the corresponding ones given here.

^{*} Since subjects in this survey were partially clothed, approximately two pounds should be subtracted from the weight data to arrive at body weights comparable to those reported for the other surveys.

TABLE IX

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1 HEIGHT	.2047	.4081	.4081	-.0178	.0388	-.0501	-.0807	.7193	.7636	.7850	.7218	.1368	.6147	.5204	.1501		
2 WEIGHT	.4081	.4524	.4524	.8891	.8850	.8536	.7484	.1802	.2107	.3304	-.0288	.7028	.6321	.5073	.8102		
3 BIACROMIAL DIAMETR	.4081	.4524	.4524	.3325	.4336	.3022	.2426	.3156	.3493	.4062	.2543	.3720	.4265	.3406	.3265		
4 RIGHT ARM GIRTH	.0178	.8891	.3325	.8431	.8024	.8094	.8094	.0343	.0521	.1277	.2201	.6425	.4489	.3551	.7465		
5 CHEST GIRTH	.0388	.8850	.4336	.8431	.8632	.7393	.7393	.0440	.0599	.1810	.1272	.5976	.4406	.3712	.6800		
6 WAIST GIRTH	-.0601	.8536	.3022	.8024	.8632	.7187	.7187	-.0908	.0753	.1230	-.1652	.5260	.4090	.3331	.6659		
* 7 SUM OF SKINFOLDS	-.0807	.7484	.2426	.8094	.7393	.7187	-.0041	-.0041	-.0070	.0732	.2380	.5783	.3394	.2736	.6457		
8 SITTING HEIGHT	.7193	.1802	.3156	.0343	.0440	-.0908	-.0041		.9075	.4199	.3530	.1973	.3261	.2300	.1956		
9 SITTING HGT/RECT	.7636	.2107	.3493	.0521	.0599	-.0753	-.0070	.9075	.4398	.4398	.3648	.2078	.3462	.2316	.2027		
10 KNEE HEIGHT	.7850	.3304	.4062	.1277	.1810	.1230	.0732	.4199	.4398	.7462	.7462	.1905	.4271	.3867	.1045		
11 POPLITEAL HEIGHT	.7218	-.0288	.2543	-.2201	-.1272	-.1652	-.2380	.3530	.3648	.7462	.7462	.1905	.4271	.3867	.1045		
12 THIGH CLEARANCE	.1368	.7028	.3720	.6425	.5976	.5260	.5783	.1973	.2078	.1905	-.1433	.4628	.4628	.3537	.6098		
13 BUTTOCK-KNEE LNTH	.6147	.6321	.4265	.4489	.4406	.4090	.3394	.3261	.3462	.6879	.4271	.4628	.7860	.7860	.5517		
14 BUTTOCK-POPLITEAL	.5204	.5073	.3406	.3551	.3712	.3331	.2736	.2300	.2316	.5863	.3867	.3537	.7860	.7860	.3898		
15 SEAT BREADTH	.1501	.8102	.3265	.7465	.6800	.6659	.6457	.1956	.2027	.2525	.1045	.6098	.5517	.3898	.6962		
16 ELBOW-ELBOW BR'OTH	-.0433	.8525	.3326	.8344	.8791	.8708	.7356	-.0309	-.0331	.1044	-.2031	.5967	.4123	.3286	.6962		
17 ELBOW REST HEIGHT	.2348	.2584	.0958	.2228	.1807	.1135	.1812	.5327	.5845	.0188	-.0972	.2901	.0498	-.0453	.2748		
18 AGE	-.2674	.1985	-.1151	.2778	.2992	.4076	.2543	-.2736	-.3108	-.1172	-.1804	-.0269	-.0349	.0013	.1869		

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE IX (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES

	16	17	18
1 HEIGHT	-.0433	.2348	-.2674
2 WEIGHT	.8525	.2584	.1985
3 BIACROMIAL DIAMETR	.3326	.0958	-.1151
4 RIGHT ARM GIRTH	.8344	.2228	.2778
5 CHEST GIRTH	.8791	.1807	.2992
6 WAIST GIRTH	.8708	.1135	.4076
* 7 SUM OF SKINFOLDS	.7356	.1812	.2543
8 SITTING HEIGHT	-.0309	.5327	-.2736
9 SITTING HGT/ERECT	-.0331	.5845	-.3108
10 KNEE HEIGHT	.1044	.0188	-.1172
11 POPLITEAL HEIGHT	-.2031	-.0972	-.1804
12 THIGH CLEARANCE	.5967	.2901	-.0269
13 BUTTOCK-KNEE LNTH	.4123	.0498	-.0349
14 BUTTOCK-POPLITEAL	.3286	-.0453	.0013
15 SEAT BREADTH	.6962	.2748	.1869
16 ELBOW-ELBOW BR'DTH		.1429	.3750
17 ELBOW REST HEIGHT	.1429		-.1550
18 AGE	.3750	-.1550	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE X

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT		.2709	.3950	.0588	.1279	.0964	-.0304	.6951	.7455	.7711	.7232	.1502	.6249	.5269	.2211
2 WEIGHT	.2709		.5035	.9024	.8969	.8903	.7544	.2422	.2709	.3760	.0035	.7836	.6652	.5662	.8243
3 BIACROMIAL DIAMETR	.3950	.5035		.4005	.4965	.4185	.3114	.3094	.3350	.3986	.2367	.3998	.4328	.3619	.3952
4 RIGHT ARM GIRTH	.0588	.9024	.4005		.8628	.8292	.8279	.1005	.1117	.2036	-.1740	.7500	.5032	.4360	.7641
5 CHEST GIRTH	.1279	.8969	.4965	.8628		.8608	.7549	.1175	.1332	.2514	-.0814	.7077	.5146	.4560	.7165
6 WAIST GIRTH	.0964	.8903	.4185	.8292	.8608		.7444	.0472	.0598	.2348	-.0886	.6792	.5132	.4424	.7202
*7 SUM OF SKINFOLDS	-.0304	.7644	.3114	.8279	.7549	.7444		.0348	.0203	.1265	-.1969	.6673	.3893	.3532	.6682
8 SITTING HEIGHT	.6951	.2422	.3094	.1005	.1175	.0472	.0348		.8956	.4244	.3610	.1993	.3530	.2601	.2627
9 SITTING HGT/RECT	.7455	.2709	.3350	.1117	.1332	.0598	.0209	.8956		.4406	.3715	.1989	.3566	.2623	.2652
10 KNEE HEIGHT	.7711	.3760	.3986	.2036	.2514	.2348	.1265	.4244	.4406		.7217	.2110	.6813	.5739	.3072
11 POPLITEAL HEIGHT	.7232	.0035	.2367	-.1740	-.0814	-.0886	-.1969	.3610	.3715	.7217		-.1338	.4998	.4228	.6774
12 THIGH CLEARANCE	.1502	.7836	.3998	.7500	.7077	.6792	.6673	.1993	.1989	.2110	-.1338		.4998	.7968	.5894
13 BUTTOCK-KNEE LENGTH	.6249	.6652	.4328	.5032	.5146	.5132	.3893	.3530	.3566	.6813	.4158	.4998		.4420	
14 BUTTOCK-POPLITEAL	.5269	.5662	.3619	.4360	.4560	.4424	.3532	.2601	.2623	.5739	.3595	.4228	.7968		
15 SEAT BREADTH	.2211	.8243	.3952	.7641	.7165	.7202	.6582	.2627	.2652	.3072	-.0827	.6774	.5894	.4420	
16 ELBOW-ELBOW BR'DTH	.0620	.8684	.4117	.8553	.8761	.8639	.7496	.0868	.0829	.1706	-.1740	.7255	.4884	.4033	.7264
17 ELBOW REST HEIGHT	.1977	.2934	.0694	.2558	.2188	.2004	.1865	.4745	.5463	.0164	-.1025	.2947	.0631	-.0172	.3271
18 AGE	.0074	.1565	.0612	.2050	.1848	.1927	.1917	.0472	.0292	.0419	-.0469	.1024	.0991	.0956	.1539

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE X (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

	16	17	18
1 HEIGHT	.0620	.1977	.0074
2 WEIGHT	.8684	.2934	.1555
3 BIACROMIAL DIAMETR	.4117	.0694	.0612
4 RIGHT ARM GIRTH	.8553	.2558	.2050
5 CHEST GIRTH	.8761	.2188	.1848
6 WAIST GIRTH	.8639	.2004	.1827
* 7 SUM OF SKINFOLDS	.7496	.1865	.1917
8 SITTING HEIGHT	.0868	.4745	.0472
9 SITTING HGT/ERECT	.0829	.5469	.0292
10 KNEE HEIGHT	.1706	.0164	.0419
11 POPLITEAL HEIGHT	-.1740	-.1025	-.0469
12 THIGH CLEARANCE	.7255	.2947	.1024
13 BUTTOCK-KNEE LGTH	.4884	.0631	.0991
14 BUTTOCK-POPLITEAL	.4033	-.0172	.0956
15 SEAT BREADTH	.7264	.3271	.1539
16 ELBOW-ELBOW BR'DTH		.2320	.1886
17 ELBOW REST HEIGHT	.2320		.0539
18 AGE	.1886	.0539	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XI

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT	.3922	.3764	.3764	.1376	.1953	.0653	.0320	.7098	.7627	.7997	.7601	.2021	.7372	.5923	.3093
2 WEIGHT	.3764	.4745	.4745	.8503	.8848	.8281	.7052	.4545	.4110	.4033	.1490	.6952	.5572	.3849	.8158
3 BIACROMIAL DIAMETER	.3764	.4745	.4745	.3801	.4184	.2496	.2310	.3363	.3654	.3529	.2756	.3058	.3646	.2531	.3434
4 RIGHT ARM GIRTH	.1376	.8503	.3801	.3801	.7839	.7118	.6720	.2642	.2193	.1926	-.0604	.6654	.3423	.2243	.6741
5 CHEST GIRTH	.1953	.8848	.4184	.7839	.8378	.8378	.6903	.2980	.2384	.2291	.0003	.6078	.3881	.2536	.7322
6 WAIST GIRTH	.0553	.8281	.2496	.7118	.8378	.8378	.6964	.1839	.1056	.1371	-.0985	.5388	.3238	.2163	.7164
* 7 SUM OF SKINFOLDS	.0320	.7052	.2310	.6720	.6903	.6964	.1860	.1860	.1241	.0637	-.1444	.5356	.2458	.1274	.6287
8 SITTING HEIGHT	.7098	.4545	.3353	.2642	.2980	.1839	.1850	.8726	.8726	.4434	.3819	.2823	.4278	.2745	.4215
9 SITTING HGT/RECT	.7627	.4110	.3654	.2199	.2384	.1056	.1241	.8726	.8726	.4434	.4100	.2351	.4175	.2275	.3643
10 KNEE HEIGHT	.7997	.4033	.3529	.1926	.2291	.1371	.0637	.4434	.4459	.7984	.7984	.2240	.7434	.6273	.3099
11 POPLITEAL HEIGHT	.7601	.1490	.2756	.0604	.0003	-.0385	.1241	.8726	.4459	.7984	.7984	-.0315	.6168	.5241	.0483
12 THIGH CLEARANCE	.2021	.6952	.3058	.6654	.6078	.5388	-.1444	.3819	.4100	.2240	-.0315	.3491	.6168	.5241	.0483
13 BUTTOCK-KNEE LENGTH	.7372	.5572	.3646	.3423	.3881	.3238	.2458	.4278	.4175	.7434	.6168	.3491	.7357	.7357	.4497
14 BUTTOCK-POPLITEAL	.5923	.3849	.2531	.2243	.2536	.2163	.1274	.2745	.2275	.6273	.5241	.2395	.7357	.7357	.4497
15 SEAT BREADTH	.3093	.8158	.3434	.6741	.7322	.7164	.6287	.4215	.3643	.3099	.0483	.5779	.4497	.2649	.2649
16 ELBOW-ELBOW BREADTH	.0796	.8089	.3118	.7547	.8341	.8202	.6525	.2093	.1357	.1345	-.1187	.5995	.2995	.1924	.7069
17 ELBOW REST HEIGHT	.2038	.3100	.1278	.2684	.2578	.1905	.2513	.4547	.5433	-.0294	-.0604	.2146	.0050	-.1447	.2851
18 AGE	-.2539	-.0428	-.2359	-.0977	.0789	.3005	.0206	-.1790	-.2565	-.1708	-.2184	-.1899	-.1359	-.0823	.0464

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XI (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES

	16	17	18
1 HEIGHT	.0796	.2038	-.2539
2 WEIGHT	.8089	.3100	-.0428
3 BIACROMIAL DIAMETR	.3118	.1278	-.2359
4 RIGHT ARM GIRTH	.7547	.2684	-.0977
5 CHEST GIRTH	.8341	.2578	.0789
6 WAIST GIRTH	.8202	.1905	.3005
* 7 SUM OF SKINFOLDS	.6525	.2513	.0206
8 SITTING HEIGHT	.2093	.4547	-.1790
9 SITTING HGT/ERECT	.1357	.5439	-.2665
10 KNEE HEIGHT	.1345	-.0294	-.1708
11 POPLITEAL HEIGHT	-.1187	-.0604	-.2184
12 THIGH CLEARANCE	.5995	.2146	-.1899
13 BUTTOCK-KNEE LNTH	.2995	.0050	-.1359
14 BUTTOCK-POPLITEAL	.1924	-.1447	-.0823
15 SEAT BREADTH	.7069	.2851	.0464
16 ELBOW-ELBOW BR'DTH		.2273	.1688
17 ELBOW REST HEIGHT	.2273		-.1842
18 AGE	.1688	-.1842	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XII

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES--AGES 25-40

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT		.4056	.3229	.1292	.2390	.1464	.0395	.7247	.7691	.8086	.7640	.1755	.7376	.5911	.3521
2 WEIGHT	.4056		.4948	.8540	.8910	.8760	.7110	.4556	.3917	.4487	.1802	.6937	.6071	.4566	.8355
3 BIACROMIAL DIAMETR	.3229	.4948		.3867	.4751	.3480	.2467	.2955	.2986	.3381	.2527	.3043	.3587	.2601	.3880
4 RIGHT ARM GIRTH	.1292	.8540	.3867		.8028	.7905	.6790	.2375	.1664	.2375	-.0333	.6553	.4059	.3060	.6962
5 CHEST GIRTH	.2390	.8910	.4751	.8028		.8516	.7048	.3375	.2537	.2885	.0523	.6217	.4515	.3298	.7506
6 WAIST GIRTH	.1464	.8760	.3480	.7905	.8516		.7593	.2420	.1637	.2347	-.0073	.6157	.4201	.3032	.7497
* 7 SUM OF SKINFOLDS	.0395	.7110	.2467	.6790	.7040	.7593		.1947	.1093	.1056	-.1201	.5561	.2953	.1876	.6367
8 SITTING HEIGHT	.7247	.4556	.2955	.2375	.3375	.2420	.1947		.8619	.4967	.4233	.2663	.4708	.3096	.4462
9 SITTING HGT/RECT	.7691	.3917	.2986	.1664	.2537	.1637	.1093	.8619		.4756	.4467	.1931	.4472	.2332	.3859
10 KNEE HEIGHT	.8086	.4487	.3381	.2375	.2885	.2347	.1056	.4967	.4755		.7860	.2231	.7381	.6188	.3741
11 POPLITEAL HEIGHT	.7640	.1802	.2527	-.0333	.0523	-.0073	-.1201	.4233	.4467	.7860		-.0485	.6038	.4981	.0990
12 THIGH CLEARANCE	.1755	.6937	.3043	.6553	.6217	.6157	.5561	.2663	.1931	.2231	-.0485		.3721	.3014	.6068
13 BUTTOCK-KNEE LGTH	.7376	.6071	.3587	.4059	.4515	.4201	.2953	.4708	.4472	.7381	.6038	.3721		.7411	.5082
14 BUTTOCK-POPLITEAL	.5911	.4566	.2601	.3060	.3298	.3032	.1876	.3096	.2332	.6188	.4981	.3014	.5082		.3255
15 SEAT BREADTH	.3521	.8355	.3880	.6962	.7506	.7497	.6367	.4462	.3859	.3741	.0990	.6068	.5082	.3255	
16 ELBOW-ELBOW BREADTH	.1132	.8248	.3686	.7952	.8368	.8269	.6750	.2291	.1497	.1952	-.0677	.6235	.3673	.2683	.7360
17 ELBOW REST HEIGHT	.1431	.2606	.0593	.2122	.2423	.2296	.2169	.3733	.4822	-.0518	-.0713	.1677	.0070	-.1530	.2566
18 AGE	-.0788	.0376	-.0209	.0792	.0910	.0823	.0352	-.0142	-.0300	-.0810	-.1273	-.0350	-.0912	-.0613	.0451

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XII (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES--AGES 25-40

	16	17	18
1 HEIGHT	.1132	.1431	-.0788
2 WEIGHT	.8248	.2606	.0376
3 BIACROMIAL DIAMETR	.3686	.0593	-.0209
4 RIGHT ARM GIRTH	.7952	.2122	.0792
5 CHEST GIRTH	.8368	.2423	.0910
6 WAIST GIRTH	.8269	.2296	.0823
* 7 SUM OF SKINFOLDS	.6750	.2169	.0352
8 SITTING HEIGHT	.2291	.3733	-.0142
9 SITTING HGT/RECT	.1497	.4822	-.0300
10 KNEE HEIGHT	.1952	-.0518	-.0810
11 POPLITEAL HEIGHT	-.0677	-.0713	-.1273
12 THIGH CLEARANCE	.6235	.1677	-.0350
13 BUTTOCK-KNEE LNTH	.3573	.0070	-.0912
14 BUTTOCK-POPLITEAL	.2683	-.1530	-.0613
15 SEAT BREADTH	.7360	.2566	.0451
16 ELBOW-ELBOW BR'DTH		.2271	.1267
17 ELBOW REST HEIGHT	.2271		.0052
18 AGE	.1267	.0052	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

Section X

THE CORRELATIONS--LAW ENFORCEMENT OFFICER SURVEY--1974

The survey of law enforcement officers was conducted in 1974 by J. I. Martin and his colleagues at the Naval Electronics Laboratory Center, San Diego, California, under a contract with the National Bureau of Standards. Subjects included 2060 members of police departments, 521 of sheriff's departments, 176 of highway patrols, and 236 prison guards. About one-third of the subjects were recruits; median length of service was about two and a half years. A description of the survey and its results are given in Anthropometry of Law Enforcement Officers by Martin et al. (1975). The original data were provided to the Aerospace Medical Research Laboratory by Martin and are used here with his permission.

Mean ages for three of the four groups sampled were about 30 years with the prison guards averaging almost ten years older. Nine percent were Blacks, 4% Mexican-American, Cuban, or Puerto Rican, 1% Indian, and the remainder Whites.

Correlations for age and 22 body measurements are given in Table XIII

TABLE XIII

CORRELATION COEFFICIENTS FOR LAW ENFORCEMENT OFFICERS--1974

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 WEIGHT	.4689	.4689	.4628	.7816	.8706	.8801	.6334	.4450	.5294	.4344	.3659	.4681	.6014	.7938	.3017
2 HEIGHT	.4628	.5816	.5816	.2411	.2509	.2423	.4145	.2852	.3808	.6194	.7126	.8287	.7465	.3074	.2563
3 FUNCTIONAL REACH	.5816	.5816	.5816	.3073	.3589	.3397	.2554	.2663	.3905	.2941	.2688	.5807	.6090	.3516	.1906
4 CHEST BREADTH	.7816	.2411	.3073	.8688	.7396	.4819	.3663	.4093	.2929	.2237	.2646	.3663	.8012	.2356	
5 CHEST CIRCUMFERENCE	.8706	.2509	.3589	.8688	.8596	.5582	.3759	.4398	.3116	.2225	.2839	.4011	.7927	.2401	
6 WAIST CIRCUMFERENCE	.8801	.2423	.3397	.7396	.8596	.6147	.3391	.3936	.3359	.2102	.2574	.4163	.6883	.1969	
7 WAIST FRONT	.6334	.4145	.2554	.4819	.5582	.6147	.2636	.3310	.3310	.2112	.2432	.2750	.2837	.3972	.7614
8 HEAD CIRCUMFERENCE	.4450	.2852	.2663	.3663	.3759	.3391	.2636	.3310	.3310	.2112	.2432	.2750	.2837	.3972	.7614
9 HAND CIRCUMFERENCE	.5294	.3808	.3905	.4093	.4398	.3936	.3366	.3310	.3075	.3075	.3048	.3693	.3718	.4381	.2456
10 SHOULDER HT/SIT'NG	.4344	.6194	.2941	.2929	.3116	.3359	.5021	.2112	.3075	.3075	.3048	.3693	.3718	.4381	.2456
11 SITTING HEIGHT	.3659	.7126	.2688	.2237	.2225	.2102	.4946	.2432	.3048	.7899	.7899	.4187	.2902	.7699	.2156
12 KNEE H'GHT SITTING	.4681	.8287	.5807	.2646	.2837	.2574	.2877	.2750	.3693	.3750	.4187	.2902	.7699	.3357	.2261
13 BUTTOCK-KNEE LGTH	.6014	.7465	.6090	.3663	.4011	.4163	.3134	.2837	.3718	.3062	.2902	.7699	.4239	.4239	.2556
14 SHOULDER BREADTH	.7938	.3074	.3516	.8012	.7927	.6883	.4513	.3972	.4381	.2562	.2764	.3357	.4239	.4239	.2556
15 HEAD LENGTH	.3017	.2563	.1906	.2356	.2401	.1969	.1799	.7614	.2456	.1652	.2176	.2261	.2156	.2556	
16 HEAD BREADTH	.3510	.1323	.1837	.3404	.3524	.3287	.2126	.5066	.2779	.1993	.1614	.1194	.1464	.3145	.1155
17 FACE BREADTH	.5087	.1910	.2452	.4504	.4905	.4920	.3376	.4673	.3579	.2767	.2060	.1903	.2355	.4326	.1751
18 FACE LENGTH	.2379	.2485	.1882	.1740	.1855	.1636	.1418	.3110	.2441	.1585	.1944	.2457	.2199	.1832	.3093
19 LIP LENGTH	.2142	.1078	.1638	.1952	.2122	.1616	.1541	.2528	.2588	.0611	.0584	.1492	.1684	.1941	.1825
20 HAND LENGTH	.3342	.5678	.4510	.1975	.1863	.1247	.2233	.2765	.4547	.2447	.3127	.6414	.5272	.2821	.2296
21 FOREFINGER LENGTH	.2888	.4530	.3109	.2012	.1890	.1316	.1940	.2135	.3952	.2155	.3042	.4975	.3820	.2549	.2006
22 HAND BREADTH	.4548	.3830	.3438	.3504	.3567	.2923	.2884	.3137	.8253	.2751	.3016	.3900	.3560	.3893	.2622
23 AGE	.2050	.0131	.1562	.2315	.3228	.3569	.3125	.1208	.2411	.1258	.0461	.0208	.0415	.1160	.0710

TABLE XIII (continued)

CORRELATION COEFFICIENTS FOR LAW ENFORCEMENT OFFICERS--1974

	16	17	18	19	20	21	22	23
1 WEIGHT	.3510	.5087	.2379	.2142	.3342	.2888	.4548	.2050
2 HEIGHT	.1323	.1910	.2485	.1078	.5678	.4530	.3830	.0131
3 FUNCTIONAL REACH	.1837	.2452	.1882	.1638	.4510	.3109	.3438	.1562
4 CHEST BREADTH	.3404	.4504	.1740	.1952	.1975	.2012	.3504	.2315
5 CHEST CIRCUMFERENCE	.3524	.4905	.1855	.2122	.1863	.1890	.3567	.3228
6 WAIST CIRCUMFERENCE	.3287	.4920	.1636	.1616	.1247	.1316	.2923	.3569
7 WAIST FRONT	.2126	.3376	.1418	.1541	.2233	.1940	.2884	.3125
8 HEAD CIRCUMFERENCE	.5066	.4673	.3110	.2528	.2765	.2135	.3137	.1208
9 HAND CIRCUMFERENCE	.2779	.3579	.2441	.2588	.4547	.3952	.8253	.2411
10 SHOULDER HT/SIT'NG	.1993	.2767	.1585	.0611	.2447	.2155	.2751	.1258
11 SITTING HEIGHT	.1614	.2060	.1944	.0584	.3127	.3042	.3016	.0461
12 KNEE H'GHT SITTING	.1194	.1903	.2457	.1492	.6414	.4975	.3900	.0208
13 BUTTOCK-KNEE LENGTH	.1464	.2355	.2199	.1684	.5272	.3820	.3560	.0415
14 SHOULDER BREADTH	.3145	.4326	.1832	.1941	.2821	.2549	.3893	.1160
15 HEAD LENGTH	.1155	.1751	.3093	.1825	.2296	.2006	.2622	.0710
16 HEAD BREADTH	.6782	.1752	.1752	.1669	.1093	.0965	.2347	.2159
17 FACE BREADTH	.6782	.2033	.2033	.3069	.1708	.1422	.3194	.2615
18 FACE LENGTH	.1752	.2033	.2033	.0898	.2592	.2027	.2301	.1513
19 LIP LENGTH	.1669	.3069	.0898	.2084	.2084	.1494	.2793	.2666
20 HAND LENGTH	.1093	.1708	.2592	.2084	.7022	.7022	.5113	.0394
21 FOREFINGER LENGTH	.0965	.1422	.2027	.1494	.7022		.4252	.1493
22 HAND BREADTH	.2347	.3194	.2301	.2793	.5113	.4252		
23 AGE	.2159	.2615	.1513	.2666	.0394	.0392	.1493	

APPENDIXES

APPENDIX A

A GLOSSARY OF ANATOMICAL AND ANTHROPOMETRIC TERMS

A

abdominal extension level -- the most anterior point of the lower torso in the midsagittal plane.

acromial -- pertaining to acromion.

acromion -- the endpoint of the shoulder blade; the most lateral point of the spine of the scapula.

ankle level -- the level of the minimum circumference of the ankle located above the bony prominences (malleoli) of the ankle.

anterior -- pertaining to the front of the body; as opposed to posterior.

auricular -- pertaining to the external ear.

axilla -- the armpit.

axillary folds -- the skin creases that extend vertically from the armpit on the ventral and dorsal surfaces of the body at the torso-upper arm juncture.

B

bi -- a prefix denoting connection with or relation to each of two symmetrically paired parts.

biceps (biceps brachii) -- the large muscle on the anterior surface of the upper arm.

brow ridges -- the bony ridges of the forehead that lie above the eye sockets of the eyes.

bustpoint -- the most anterior protrusion of the bra pocket.

C

canthus -- a corner or angle formed by the meeting of the eyelids.

carpus -- the wristbones, collectively.

cervicale -- the protrusion of the spinal column at the base of the neck caused by the tip of the spine of the 7th cervical vertebra.

cheilion -- the corners of the mouth formed by the juncture of the lips.

coronal plane -- any vertical plane at right angles to the midsagittal plane.

crinion -- the point in the midsagittal plane where the hairline meets the forehead.

D

dactylion -- the tip of the middle finger.

deltoid muscle -- the large muscle on the lateral border of the upper arm in the shoulder region.

distal -- the end of a body segment farthest from the head, as opposed to proximal.

dorsal -- pertaining to the back or posterior portion of the body, segment or organ.

E

ectocanthus -- the outside corner or angle formed by the meeting of the eyelids.

epicondyle -- the bony eminence at the distal end of the humerus, radius, or femur.

external -- away from the central long axis of the body; the outer portion of a body segment.

F

femoral epicondyles -- the bony projections on either side of the distal end of the femur.

femur -- the thigh bone.

fibula -- the rather narrow long bone of the lower leg.

Frankfort plane -- the standard horizontal plane or orientation of the head. The plane is established by a line passing through the right tracion (approximate earhole) and the lowest point of the right orbit (eye socket).

G

glabella -- the most anterior point of the forehead between the brow ridges in the midsagittal plane.

gluteal furrow -- the furrow at the juncture of the buttock and the thigh.

gonial angle -- the angle at the back of the lower jaw formed by the intersection of the vertical and horizontal portions of the jaw.

H

helix -- the rolled outer part of the ear.

humeral epicondyles -- the bony projections on either side of the lower (i.e. distal) end of the humerus.

humerus -- the bone of the upper arm.

I

ilia -- plural of ilium.

iliac crest -- the superior rim of the pelvic bone.

ilium -- the superior, broad fan-like portion of the pelvis or hip bone.

inferior -- below, in relation to another structure; lower.

inion -- the most posterior bony protuberance of the back of the head.

J-K

knuckle -- the joint formed by the meeting of a finger bone (phalanx) with a palm bone (metacarpal).

L

lateral -- lying near or toward the sides of the body; as opposed to medial.

lip prominence -- the most anterior protrusion of either the upper or the lower lip.

M

malleolus (malleoli pl.) -- the rounded bony projections which occur on both sides of the leg in the ankle region.

mandible -- the lower jaw.

mastoid process -- the bony projection directly behind the ear.

medial -- lying near or toward the midsagittal plane; as opposed to lateral.

menton -- the tip of the chin in the midsagittal plane.

metacarpal -- pertaining to the long bones of the palm.

metacarpal phalangeal joint -- a joint formed by the meeting of a finger bone (phalanx) with a palm bone (metacarpal), i.e. knuckle.

metatarsal -- a bone of the instep of the foot.

midaxillary line -- a vertical line passing through the centers of the armpits.

midaxillary plane -- the vertical plane passing through the centers of the armpits dividing the body into its front and back segments.

midpatella -- a point halfway between the upper and the lower margins of the patella.

midsagittal plane -- the vertical plane which divides the body into its right and left segments.

midshoulder -- a point halfway between the neck and the tip of the shoulder (acromion).

N

nasal root depression -- indentation where the bridge of the nose meets the forehead.

nasal septum -- the cartilaginous wall separating the right nostril from the left.

nuchale -- the lowest point, in the midsagittal plane, of the occiput that can be palpated among the muscles in the posterior-superior part of the neck. This point is often visually obscured by hair.

O

occipital bone -- a curved bone forming the back and part of the base of the skull.

occiput -- the back of the head.

ocular -- pertaining to the eye.

olecranon -- the upper (i.e. proximal) end of the medial forearm bone (ulna).

omphalion -- the center point of the navel.

orbit -- the eye socket.

otobasion (superior) -- the highest point at which the auricle joins the skin at the side of the head.

P

patella -- the kneecap.

pectoral -- pertaining to the anterior chest as the pectoral muscle which connects the arm and the chest.

phalanx (phalanges pl.) -- the bones of the fingers and toes.

philtrum -- the vertical groove that runs from the upper lip to the base of the nose.

popliteal -- pertaining to the ligament behind the knee or to the part of the leg back of the knee.

posterior -- pertaining to the back of the body; as opposed to anterior.

process -- an outgrowth or projection, as of a bone.

pronasale -- the tip of the nose.

proximal -- the end of a body segment nearest the head; as opposed to distal.

Q-R

radiale -- the uppermost point on the lateral margin of the proximal end of the radius at the end of the elbow.

radius -- the long bone of the forearm on the thumb side of the arm.

S

sagittal -- pertaining to the plane which divides the body into its right and left halves, or to any plane parallel to such a plane.

scapula -- the shoulder blade.

scrotale -- the dorsal point of juncture of the scrotum with the perineum.

scye -- a tailoring term to designate the armhole of a garment. Scye points landmarks which approximate the lower level of the axilla made with the subject's arms hanging relaxed and in contact with the upper torso.

sellion -- the point of greatest indentation of the nasal root depression.

septum -- a dividing wall between two cavities; the nasal septum is the fleshy partition between the two nasal cavities.

sphyrion -- the most distal extension of the tibia on the medial side of the foot.

spine (or spinal process) of vertebrae -- the posterior prominences of the vertebrae.

sternum -- the breastbone.

stomion -- the point of contact in the midsagittal plane of the upper and lower lips.

stylium -- the most distal point on the wrist of the styloid process of the radius, the forearm bone on the thumb side of the arm.

styloid process -- either one of two bony prominences on the wrist representing the most distal point of the radius and the ulna.

sub -- a prefix designating below or under.

submandibular -- below the mandible or lower jaw.

subnasale -- the bottom of the nose where the base of the nasal septum meets the philtrum.

substernale -- the inferior tip of the xiphoid process of the sternum or breastbone.

superior -- above, in relation to another structure; higher, as opposed to inferior.

supra -- prefix designating above or on.

suprasternale -- the lowest point in the notch in the upper edge of the breastbone.

T

tarsus -- the collection of bones in the ankle joint, at the distal end of the tibia.

temporal crest -- a narrow bony ridge along the side of the head above the ear level that serves as a point of attachment for the temporal muscle.

temporal muscles -- the muscles of the temple region.

tibiale -- the uppermost point of the medial margin of the shin bone (tibia).

tragion -- the cartilaginous notch forward of the upper edge of the earhole.

trochanteric -- referring to trochanterion.

trochanterion -- the tip of the bony lateral protrusion of the proximal end of the femur.

U-V

ulna -- the bone of the forearm which runs from the tip of the elbow to the wrist on the same side as the little finger.

vertex -- the top of the head.

W

waist level -- waist level is defined in numerous ways. In the surveys on which this report is based it was defined as follows:

AFW'68 -- the level established by the subject placing an elastic tape around her "natural waist."

FLY'67 -- the level of omphalion, the center of the navel.

B-T'65 -- the level of omphalion, the center of the navel.

FLY'50 -- the "natural waistline," the level of greatest lateral indentation in the region of the abdomen. If this natural waistline was not visible, the level at which the belt was worn was used.

WAC'46 -- the minimal circumference between the iliac crests and the lower edge of the rib cage.

LAW ENF -- the level of omphalion, the center of the navel.

wall -- the measurements made from tragon and points on the profile of the head "to wall" were made, in general, with the subject standing with the back and top of his head in contact with the two planes of the headboard. Wall, as used in the definitions of these measurements, refers to the vertical plane of the headboard.

wrist level -- the level found by measuring from the radial-stylian point across the anterior surface of the forearm perpendicular to the long axis of the forearm.

X-Y-Z

xiphoid -- the inferior cartilaginous process of the breastbone.

zygomatic arch -- the bony arch below the orbit of the skull running horizontally along the side of the head from the cheekbone (the zygomatic bone) almost to the ear.

APPENDIX B

CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

TABLE B-1

TABLE B-1
95% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFM*68	SURVEY FLY*67	SURVEY FLY*50	SURVEY B-T*65	SURVEY WAG*46	HEXS/F	SURVEY HEX/F*	HEXS/M	SURVEY HEX/M*	SURVEY LAW ENF
0.000	-0.45,+0.45	-0.40,+0.40	-0.31,+0.31	-0.39,+0.39	-0.23,+0.23	-0.57,+0.57	-0.33,+0.33	-0.62,+0.62	-0.35,+0.35	-0.37,+0.37
.010	-0.45,+0.55	-0.40,+0.50	-0.31,+0.41	-0.39,+0.49	-0.23,+0.33	-0.57,+0.67	-0.33,+0.43	-0.62,+0.72	-0.35,+0.45	-0.37,+0.47
.020	-0.45,+0.65	-0.40,+0.60	-0.31,+0.51	-0.39,+0.59	-0.23,+0.43	-0.57,+0.77	-0.33,+0.53	-0.62,+0.82	-0.35,+0.55	-0.37,+0.57
.030	-0.45,+0.75	-0.40,+0.70	-0.31,+0.61	-0.39,+0.69	-0.23,+0.53	-0.57,+0.87	-0.33,+0.63	-0.62,+0.91	-0.35,+0.65	-0.37,+0.66
.040	-0.45,+0.85	-0.40,+0.80	-0.31,+0.71	-0.39,+0.79	-0.23,+0.62	-0.57,+0.97	-0.33,+0.73	-0.62,+1.01	-0.35,+0.75	-0.37,+0.76
.050	-0.45,+0.95	-0.40,+0.90	-0.31,+0.81	-0.39,+0.89	-0.23,+0.72	-0.57,+1.07	-0.33,+0.83	-0.62,+1.11	-0.35,+0.85	-0.37,+0.86
.060	-0.45,+1.05	-0.40,+1.00	-0.31,+0.91	-0.39,+0.99	-0.23,+0.82	-0.57,+1.17	-0.33,+0.93	-0.62,+1.21	-0.35,+0.95	-0.37,+0.96
.070	-0.45,+1.14	-0.40,+1.09	-0.31,+1.01	-0.39,+1.09	-0.22,+0.92	-0.57,+1.27	-0.33,+1.02	-0.62,+1.31	-0.35,+1.05	-0.37,+1.06
.080	-0.45,+1.24	-0.40,+1.19	-0.31,+1.11	-0.39,+1.19	-0.22,+1.02	-0.57,+1.37	-0.33,+1.12	-0.62,+1.41	-0.35,+1.15	-0.37,+1.16
.090	-0.45,+1.34	-0.40,+1.29	-0.31,+1.21	-0.39,+1.29	-0.22,+1.12	-0.57,+1.47	-0.33,+1.22	-0.61,+1.51	-0.35,+1.25	-0.36,+1.26
.100	-0.45,+1.44	-0.40,+1.39	-0.31,+1.30	-0.39,+1.39	-0.22,+1.22	-0.57,+1.56	-0.33,+1.32	-0.61,+1.61	-0.35,+1.35	-0.36,+1.36
.110	-0.45,+1.54	-0.40,+1.49	-0.31,+1.40	-0.39,+1.49	-0.22,+1.32	-0.57,+1.66	-0.33,+1.42	-0.61,+1.71	-0.35,+1.45	-0.36,+1.46
.120	-0.45,+1.64	-0.39,+1.59	-0.31,+1.50	-0.39,+1.59	-0.22,+1.42	-0.57,+1.76	-0.33,+1.52	-0.61,+1.80	-0.35,+1.54	-0.36,+1.56
.130	-0.44,+1.74	-0.39,+1.69	-0.31,+1.60	-0.39,+1.69	-0.22,+1.52	-0.57,+1.86	-0.32,+1.62	-0.61,+1.90	-0.35,+1.64	-0.36,+1.66
.140	-0.44,+1.84	-0.39,+1.79	-0.31,+1.70	-0.39,+1.79	-0.22,+1.62	-0.57,+1.96	-0.32,+1.72	-0.61,+2.00	-0.35,+1.74	-0.36,+1.76
.150	-0.44,+1.93	-0.39,+1.89	-0.30,+1.80	-0.38,+1.88	-0.22,+1.72	-0.57,+2.06	-0.32,+1.82	-0.61,+2.10	-0.35,+1.84	-0.36,+1.85
.160	-0.44,+2.03	-0.39,+1.99	-0.30,+1.90	-0.38,+1.98	-0.22,+1.82	-0.56,+2.15	-0.32,+1.92	-0.61,+2.19	-0.35,+1.94	-0.36,+1.95
.170	-0.44,+2.13	-0.39,+2.09	-0.30,+2.00	-0.38,+2.07	-0.22,+1.92	-0.56,+2.25	-0.32,+2.01	-0.60,+2.29	-0.34,+2.04	-0.36,+2.05
.180	-0.44,+2.23	-0.39,+2.19	-0.30,+2.10	-0.38,+2.17	-0.22,+2.02	-0.56,+2.35	-0.32,+2.11	-0.60,+2.39	-0.34,+2.14	-0.36,+2.15
.190	-0.44,+2.33	-0.39,+2.29	-0.30,+2.20	-0.38,+2.27	-0.22,+2.12	-0.56,+2.45	-0.32,+2.21	-0.60,+2.49	-0.34,+2.24	-0.36,+2.25
.200	-0.44,+2.43	-0.39,+2.39	-0.30,+2.29	-0.38,+2.37	-0.22,+2.22	-0.56,+2.54	-0.32,+2.31	-0.60,+2.58	-0.34,+2.33	-0.35,+2.35
.210	-0.43,+2.52	-0.38,+2.48	-0.30,+2.39	-0.38,+2.47	-0.22,+2.32	-0.56,+2.64	-0.32,+2.41	-0.60,+2.68	-0.34,+2.43	-0.35,+2.44
.220	-0.43,+2.62	-0.38,+2.57	-0.30,+2.49	-0.37,+2.57	-0.22,+2.42	-0.55,+2.74	-0.32,+2.51	-0.59,+2.78	-0.34,+2.53	-0.35,+2.54
.230	-0.43,+2.72	-0.38,+2.67	-0.30,+2.59	-0.37,+2.66	-0.21,+2.51	-0.55,+2.83	-0.31,+2.61	-0.59,+2.87	-0.34,+2.63	-0.35,+2.64
.240	-0.43,+2.82	-0.38,+2.77	-0.29,+2.69	-0.37,+2.76	-0.21,+2.61	-0.55,+2.93	-0.31,+2.70	-0.59,+2.97	-0.34,+2.73	-0.35,+2.74
.250	-0.43,+2.91	-0.38,+2.87	-0.29,+2.79	-0.37,+2.86	-0.21,+2.71	-0.55,+3.03	-0.31,+2.80	-0.59,+3.07	-0.33,+2.83	-0.35,+2.84
.260	-0.42,+3.01	-0.38,+2.97	-0.29,+2.89	-0.37,+2.96	-0.21,+2.81	-0.54,+3.13	-0.31,+2.90	-0.58,+3.16	-0.33,+2.92	-0.34,+2.94
.270	-0.42,+3.11	-0.37,+3.06	-0.29,+2.99	-0.37,+3.06	-0.21,+2.91	-0.54,+3.22	-0.31,+3.00	-0.58,+3.26	-0.33,+3.02	-0.34,+3.03
.280	-0.42,+3.21	-0.37,+3.16	-0.29,+3.09	-0.36,+3.15	-0.21,+3.00	-0.54,+3.32	-0.30,+3.10	-0.58,+3.36	-0.33,+3.12	-0.34,+3.13
.290	-0.42,+3.30	-0.37,+3.26	-0.29,+3.19	-0.36,+3.25	-0.21,+3.10	-0.53,+3.41	-0.30,+3.19	-0.57,+3.45	-0.33,+3.22	-0.34,+3.23
.300	-0.41,+3.40	-0.37,+3.36	-0.28,+3.29	-0.36,+3.35	-0.21,+3.20	-0.53,+3.51	-0.30,+3.29	-0.57,+3.55	-0.32,+3.31	-0.34,+3.33
.310	-0.41,+3.50	-0.36,+3.45	-0.28,+3.39	-0.36,+3.45	-0.21,+3.30	-0.53,+3.61	-0.30,+3.39	-0.57,+3.64	-0.32,+3.41	-0.34,+3.42
.320	-0.41,+3.59	-0.36,+3.55	-0.28,+3.49	-0.35,+3.54	-0.20,+3.40	-0.53,+3.70	-0.30,+3.49	-0.56,+3.74	-0.32,+3.51	-0.34,+3.52
.330	-0.41,+3.69	-0.36,+3.65	-0.28,+3.59	-0.35,+3.64	-0.20,+3.50	-0.52,+3.80	-0.30,+3.59	-0.56,+3.83	-0.32,+3.61	-0.34,+3.62
.340	-0.40,+3.79	-0.36,+3.74	-0.28,+3.69	-0.35,+3.74	-0.20,+3.60	-0.52,+3.90	-0.29,+3.68	-0.56,+3.93	-0.32,+3.70	-0.34,+3.72
.350	-0.40,+3.88	-0.35,+3.84	-0.27,+3.79	-0.35,+3.83	-0.20,+3.70	-0.51,+4.00	-0.29,+3.78	-0.55,+4.03	-0.31,+3.80	-0.34,+3.81
.360	-0.40,+3.98	-0.35,+3.94	-0.27,+3.89	-0.34,+3.93	-0.20,+3.80	-0.51,+4.10	-0.29,+3.88	-0.55,+4.12	-0.31,+3.90	-0.34,+3.91
.370	-0.39,+4.08	-0.35,+4.04	-0.27,+3.99	-0.34,+4.03	-0.20,+3.90	-0.51,+4.20	-0.29,+3.98	-0.54,+4.22	-0.31,+4.00	-0.34,+4.01
.380	-0.39,+4.17	-0.35,+4.13	-0.27,+4.09	-0.34,+4.12	-0.19,+4.00	-0.50,+4.30	-0.28,+4.07	-0.54,+4.31	-0.31,+4.09	-0.34,+4.10
.390	-0.39,+4.27	-0.34,+4.23	-0.27,+4.19	-0.34,+4.22	-0.19,+4.10	-0.50,+4.40	-0.28,+4.17	-0.54,+4.41	-0.30,+4.19	-0.34,+4.20
.400	-0.38,+4.37	-0.34,+4.33	-0.26,+4.29	-0.33,+4.32	-0.19,+4.20	-0.49,+4.50	-0.28,+4.27	-0.53,+4.50	-0.30,+4.29	-0.34,+4.30
.410	-0.38,+4.46	-0.34,+4.42	-0.26,+4.39	-0.33,+4.42	-0.19,+4.30	-0.49,+4.60	-0.28,+4.36	-0.53,+4.60	-0.30,+4.39	-0.34,+4.40
.420	-0.38,+4.56	-0.33,+4.52	-0.26,+4.49	-0.33,+4.51	-0.19,+4.40	-0.48,+4.70	-0.27,+4.46	-0.52,+4.70	-0.29,+4.49	-0.34,+4.50
.430	-0.37,+4.65	-0.33,+4.62	-0.26,+4.59	-0.32,+4.61	-0.19,+4.50	-0.48,+4.80	-0.27,+4.56	-0.52,+4.80	-0.29,+4.58	-0.34,+4.59
.440	-0.37,+4.75	-0.33,+4.71	-0.25,+4.69	-0.32,+4.70	-0.18,+4.60	-0.48,+4.90	-0.27,+4.66	-0.51,+4.86	-0.29,+4.68	-0.34,+4.69
.450	-0.37,+4.85	-0.32,+4.81	-0.25,+4.79	-0.32,+4.80	-0.18,+4.70	-0.47,+5.00	-0.27,+4.75	-0.51,+4.97	-0.29,+4.77	-0.34,+4.78
.460	-0.36,+4.95	-0.32,+4.90	-0.25,+4.89	-0.31,+4.90	-0.18,+4.80	-0.47,+5.10	-0.26,+4.85	-0.50,+5.07	-0.28,+4.87	-0.34,+4.88
.470	-0.36,+5.04	-0.32,+5.00	-0.25,+4.99	-0.31,+4.99	-0.18,+4.90	-0.46,+5.20	-0.26,+4.95	-0.49,+5.16	-0.28,+4.97	-0.34,+4.98
.480	-0.35,+5.13	-0.31,+5.09	-0.24,+5.09	-0.31,+5.09	-0.18,+5.00	-0.45,+5.30	-0.26,+5.04	-0.49,+5.26	-0.28,+5.06	-0.34,+5.07
.490	-0.35,+5.23	-0.31,+5.19	-0.24,+5.19	-0.30,+5.19	-0.17,+5.10	-0.45,+5.40	-0.25,+5.14	-0.48,+5.35	-0.27,+5.16	-0.28,+5.17

TABLE B-1 (continued)

95% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS											
TABLE B-1											
	SURVEY AFM*68	SURVEY FLY*67	SURVEY FLY*50	SURVEY B-T*65	SURVEY HEXS/F	SURVEY HEXS/M	SURVEY HEXS/H*	SURVEY LAW ENF			
-2-											
.500	-034,+532	-030,+529	-024,+522	-030,+528	-017,+516	-044,+541	-025,+524	-048,+544	-027,+525	-028,+526	
.510	-034,+542	-030,+538	-023,+532	-029,+538	-017,+526	-044,+551	-025,+533	-047,+554	-027,+535	-028,+536	
.520	-034,+551	-030,+548	-023,+542	-029,+547	-017,+536	-043,+560	-024,+543	-046,+563	-026,+545	-027,+546	
.530	-033,+561	-029,+558	-023,+551	-029,+557	-016,+545	-043,+570	-024,+553	-046,+572	-026,+554	-027,+555	
.540	-033,+571	-029,+567	-022,+561	-028,+567	-016,+555	-042,+579	-024,+562	-045,+582	-025,+564	-026,+565	
.550	-032,+580	-028,+577	-022,+571	-028,+576	-016,+565	-041,+588	-023,+572	-044,+591	-025,+574	-026,+574	
.560	-032,+590	-028,+586	-022,+580	-027,+586	-016,+575	-041,+598	-023,+582	-044,+600	-025,+583	-026,+584	
.570	-031,+599	-028,+596	-021,+590	-027,+595	-015,+584	-040,+607	-023,+591	-043,+610	-024,+593	-025,+594	
.580	-031,+608	-027,+605	-021,+600	-026,+605	-015,+594	-039,+616	-022,+601	-042,+619	-024,+602	-025,+603	
.590	-030,+618	-027,+615	-021,+609	-026,+614	-015,+604	-039,+626	-022,+610	-042,+628	-023,+612	-024,+613	
.600	-030,+627	-026,+624	-020,+619	-026,+624	-015,+614	-038,+635	-021,+620	-041,+637	-023,+621	-024,+622	
.610	-029,+637	-026,+634	-020,+628	-025,+633	-014,+623	-037,+644	-021,+630	-040,+647	-023,+631	-023,+632	
.620	-028,+646	-025,+643	-019,+638	-025,+643	-014,+633	-037,+654	-021,+639	-039,+656	-022,+641	-023,+641	
.630	-028,+656	-025,+653	-019,+648	-024,+652	-014,+643	-036,+663	-020,+649	-039,+665	-022,+650	-023,+651	
.640	-027,+665	-024,+662	-019,+657	-024,+662	-014,+652	-035,+672	-020,+658	-038,+674	-021,+660	-022,+660	
.650	-027,+675	-024,+672	-018,+667	-023,+671	-013,+662	-034,+681	-019,+668	-037,+684	-021,+669	-022,+670	
.660	-026,+684	-023,+681	-018,+676	-023,+681	-013,+672	-034,+691	-019,+677	-036,+693	-020,+679	-021,+680	
.670	-026,+693	-023,+691	-017,+686	-022,+690	-013,+682	-033,+700	-018,+687	-035,+702	-020,+688	-021,+689	
.680	-025,+703	-022,+700	-017,+696	-022,+700	-012,+691	-032,+709	-018,+697	-035,+711	-019,+698	-020,+699	
.690	-024,+712	-021,+710	-017,+705	-021,+709	-012,+701	-031,+718	-018,+706	-034,+720	-019,+707	-020,+708	
.700	-024,+722	-021,+719	-016,+715	-020,+719	-012,+711	-031,+727	-017,+716	-033,+729	-018,+717	-019,+717	
.710	-023,+731	-020,+729	-016,+724	-020,+728	-011,+720	-030,+737	-017,+725	-032,+739	-018,+726	-019,+727	
.720	-022,+740	-020,+738	-015,+734	-019,+738	-011,+730	-029,+746	-016,+734	-031,+748	-017,+736	-018,+736	
.730	-022,+750	-019,+747	-015,+743	-019,+747	-011,+740	-028,+755	-016,+744	-030,+757	-017,+745	-018,+746	
.740	-021,+759	-019,+757	-014,+753	-018,+756	-010,+749	-027,+764	-015,+754	-029,+766	-016,+755	-017,+755	
.750	-020,+768	-018,+766	-014,+763	-018,+766	-010,+759	-026,+773	-015,+763	-028,+775	-016,+764	-017,+765	
.760	-020,+778	-017,+776	-013,+772	-017,+775	-010,+769	-025,+782	-014,+773	-027,+784	-015,+774	-016,+774	
.770	-019,+787	-017,+785	-013,+782	-016,+785	-010,+778	-024,+792	-014,+782	-026,+793	-015,+783	-016,+784	
.780	-018,+796	-016,+794	-012,+791	-016,+794	-009,+788	-024,+801	-013,+792	-025,+802	-014,+793	-015,+793	
.790	-018,+806	-015,+804	-012,+801	-015,+803	-009,+798	-023,+810	-013,+801	-024,+811	-014,+802	-014,+803	
.800	-017,+815	-015,+813	-011,+810	-014,+813	-008,+807	-022,+819	-012,+811	-023,+824	-013,+812	-014,+812	
.810	-016,+824	-014,+822	-011,+820	-014,+822	-008,+817	-021,+828	-012,+820	-022,+829	-012,+821	-013,+821	
.820	-015,+833	-013,+832	-010,+829	-013,+832	-008,+826	-020,+837	-011,+830	-021,+838	-012,+830	-012,+831	
.830	-015,+843	-013,+841	-010,+839	-013,+841	-007,+836	-019,+846	-010,+839	-020,+847	-011,+840	-012,+840	
.840	-014,+852	-012,+851	-009,+848	-012,+850	-007,+846	-018,+855	-010,+849	-019,+856	-011,+849	-011,+850	
.850	-013,+861	-011,+860	-009,+858	-011,+860	-006,+855	-017,+864	-009,+858	-018,+865	-010,+859	-010,+860	
.860	-012,+870	-011,+869	-008,+867	-011,+869	-006,+865	-016,+873	-009,+867	-017,+874	-009,+868	-010,+869	
.870	-011,+880	-010,+878	-008,+876	-010,+878	-006,+875	-015,+882	-008,+877	-016,+883	-009,+878	-009,+878	
.880	-011,+889	-009,+888	-007,+886	-009,+888	-005,+884	-014,+891	-008,+886	-015,+892	-008,+887	-009,+887	
.890	-010,+898	-009,+897	-007,+895	-008,+897	-005,+894	-013,+899	-007,+896	-014,+901	-008,+896	-008,+896	
.900	-009,+907	-008,+906	-006,+905	-008,+906	-004,+903	-012,+909	-006,+905	-012,+910	-007,+906	-007,+906	
.910	-008,+917	-007,+916	-005,+914	-007,+916	-004,+913	-010,+918	-006,+915	-011,+919	-006,+915	-007,+915	
.920	-007,+926	-006,+925	-005,+924	-006,+925	-004,+922	-009,+927	-005,+924	-010,+928	-006,+924	-006,+925	
.930	-006,+935	-005,+934	-004,+933	-005,+934	-003,+932	-008,+936	-005,+933	-009,+937	-005,+934	-005,+934	
.940	-005,+944	-004,+943	-004,+943	-005,+943	-003,+942	-007,+945	-004,+943	-008,+946	-004,+943	-004,+943	
.950	-005,+953	-004,+952	-003,+951	-004,+952	-002,+950	-006,+954	-003,+952	-006,+955	-004,+952	-004,+952	
.960	-004,+962	-003,+962	-003,+961	-003,+962	-002,+961	-005,+963	-003,+962	-005,+964	-003,+962	-003,+962	
.970	-003,+972	-002,+971	-002,+971	-002,+971	-002,+970	-004,+972	-002,+971	-004,+972	-002,+971	-002,+971	
.980	-002,+981	-002,+981	-001,+980	-002,+981	-001,+980	-003,+981	-001,+980	-003,+981	-001,+980	-002,+980	
.990	-001,+990	-001,+990	-001,+990	-001,+990	-000,+989	-001,+990	-001,+990	-001,+990	-001,+990	-001,+990	

TABLE B-2

TABLE B-2
99% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFW#68	SURVEY FLY#67	SURVEY FLY#50	SURVEY B-T#65	SURVEY WAC#46	SURVEY HEX5F	SURVEY HEX#F*	SURVEY HEX5/M	SURVEY HEX/M*	SURVEY LAW ENF
0.00	-059,+059	-052,+052	-041,+041	-051,+051	-030,+030	-076,+076	-043,+043	-081,+081	-046,+046	-048,+048
0.10	-059,+069	-052,+062	-041,+051	-051,+061	-030,+040	-076,+086	-043,+053	-081,+091	-046,+056	-048,+058
0.20	-059,+079	-052,+072	-041,+061	-051,+071	-030,+050	-076,+096	-043,+063	-081,+101	-046,+066	-048,+068
0.30	-059,+089	-052,+082	-041,+071	-051,+081	-030,+060	-076,+105	-043,+073	-081,+111	-046,+076	-048,+078
0.40	-059,+099	-052,+092	-041,+081	-051,+091	-030,+070	-076,+115	-043,+083	-081,+121	-046,+086	-048,+088
0.50	-059,+109	-052,+102	-041,+091	-051,+101	-030,+080	-076,+125	-043,+093	-081,+130	-046,+096	-048,+098
0.60	-059,+119	-052,+112	-041,+100	-051,+111	-030,+090	-076,+135	-043,+103	-081,+140	-046,+106	-048,+108
0.70	-059,+128	-052,+122	-041,+110	-051,+121	-030,+099	-076,+145	-043,+113	-081,+150	-046,+116	-048,+118
0.80	-059,+138	-052,+132	-041,+120	-051,+131	-030,+109	-076,+155	-043,+123	-081,+160	-046,+126	-048,+128
0.90	-059,+148	-052,+142	-041,+130	-051,+141	-030,+119	-076,+164	-043,+133	-081,+170	-046,+136	-048,+137
1.00	-059,+158	-052,+152	-041,+140	-051,+150	-029,+129	-075,+174	-043,+142	-081,+179	-046,+146	-048,+147
1.10	-059,+168	-052,+161	-040,+150	-051,+160	-029,+139	-075,+184	-043,+152	-081,+189	-046,+155	-048,+157
1.20	-059,+178	-052,+171	-040,+160	-051,+170	-029,+149	-075,+194	-043,+162	-081,+199	-046,+165	-048,+167
1.30	-059,+188	-052,+181	-040,+170	-051,+180	-029,+159	-075,+203	-043,+172	-081,+209	-046,+175	-048,+177
1.40	-058,+197	-052,+191	-040,+180	-051,+190	-029,+169	-075,+213	-043,+182	-080,+218	-046,+185	-048,+187
1.50	-058,+207	-052,+201	-040,+189	-051,+200	-029,+179	-075,+223	-042,+192	-080,+228	-046,+195	-047,+197
1.60	-058,+217	-052,+211	-040,+199	-050,+209	-029,+189	-075,+233	-042,+202	-080,+238	-046,+205	-047,+206
1.70	-058,+227	-051,+220	-040,+209	-050,+219	-029,+199	-074,+242	-042,+211	-080,+247	-045,+215	-047,+216
1.80	-058,+236	-051,+230	-040,+219	-050,+229	-029,+209	-074,+252	-042,+221	-080,+257	-045,+224	-047,+226
1.90	-058,+246	-051,+240	-040,+229	-050,+239	-029,+219	-074,+262	-042,+231	-079,+267	-045,+234	-047,+236
2.00	-057,+256	-051,+250	-039,+239	-050,+249	-029,+229	-074,+271	-042,+241	-079,+276	-045,+244	-047,+246
2.10	-057,+266	-051,+259	-039,+249	-050,+259	-029,+239	-073,+281	-042,+251	-079,+286	-045,+254	-046,+255
2.20	-057,+275	-050,+269	-039,+259	-049,+269	-028,+249	-073,+290	-041,+260	-079,+296	-045,+263	-046,+265
2.30	-057,+285	-050,+279	-039,+269	-049,+279	-028,+259	-073,+300	-041,+270	-078,+305	-045,+273	-046,+275
2.40	-056,+295	-050,+289	-039,+279	-049,+289	-028,+269	-073,+310	-041,+280	-078,+315	-045,+283	-046,+285
2.50	-056,+304	-050,+299	-039,+289	-049,+299	-028,+279	-073,+319	-041,+290	-078,+324	-045,+293	-046,+294
2.60	-056,+314	-050,+309	-038,+299	-048,+309	-028,+289	-072,+329	-041,+299	-077,+334	-045,+302	-046,+304
2.70	-056,+324	-049,+319	-038,+309	-048,+319	-028,+299	-071,+338	-040,+309	-077,+343	-045,+312	-045,+314
2.80	-055,+333	-049,+327	-038,+317	-048,+326	-028,+307	-071,+348	-040,+319	-076,+353	-045,+322	-045,+324
2.90	-055,+343	-049,+337	-038,+327	-048,+336	-027,+317	-071,+357	-040,+329	-076,+362	-045,+332	-045,+333
3.00	-055,+353	-048,+347	-038,+336	-047,+346	-027,+326	-070,+367	-040,+338	-076,+372	-045,+341	-044,+343
3.10	-054,+362	-048,+356	-037,+346	-047,+355	-027,+336	-069,+376	-039,+348	-075,+381	-045,+351	-044,+353
3.20	-054,+372	-048,+366	-037,+356	-047,+365	-027,+346	-069,+386	-039,+358	-075,+391	-045,+361	-044,+362
3.30	-054,+381	-048,+376	-037,+366	-047,+375	-027,+356	-069,+395	-039,+368	-074,+400	-045,+370	-044,+372
3.40	-053,+391	-047,+385	-037,+375	-046,+384	-027,+366	-069,+405	-039,+377	-074,+409	-045,+380	-044,+382
3.50	-053,+400	-047,+395	-036,+385	-046,+394	-026,+375	-068,+414	-038,+387	-073,+419	-045,+390	-043,+391
3.60	-053,+410	-047,+404	-036,+395	-046,+403	-026,+385	-068,+424	-038,+397	-073,+428	-045,+399	-043,+401
3.70	-052,+420	-046,+414	-036,+404	-045,+413	-026,+395	-068,+433	-038,+406	-072,+438	-045,+409	-042,+410
3.80	-052,+429	-046,+424	-035,+414	-045,+423	-026,+405	-067,+442	-037,+416	-072,+447	-045,+419	-042,+420
3.90	-051,+439	-045,+433	-035,+424	-044,+432	-025,+414	-066,+452	-037,+426	-071,+456	-045,+428	-042,+430
4.00	-051,+448	-045,+443	-035,+433	-044,+442	-025,+424	-065,+461	-037,+435	-070,+466	-045,+438	-041,+439
4.10	-050,+458	-045,+452	-035,+443	-044,+451	-025,+434	-065,+471	-037,+445	-070,+475	-045,+447	-041,+449
4.20	-050,+467	-044,+462	-034,+453	-043,+461	-025,+444	-064,+480	-036,+454	-069,+484	-045,+457	-040,+458
4.30	-049,+477	-044,+471	-034,+462	-043,+470	-025,+453	-064,+489	-036,+464	-068,+493	-045,+468	-040,+468
4.40	-049,+486	-043,+481	-033,+472	-042,+480	-024,+463	-063,+499	-035,+474	-068,+503	-045,+476	-040,+478
4.50	-048,+495	-043,+490	-033,+481	-042,+490	-024,+473	-063,+508	-035,+483	-067,+512	-045,+486	-039,+487
4.60	-048,+505	-042,+500	-033,+491	-041,+499	-024,+483	-062,+517	-035,+493	-066,+521	-045,+495	-039,+497
4.70	-047,+514	-042,+509	-032,+501	-041,+509	-023,+492	-061,+526	-034,+502	-066,+530	-045,+505	-038,+506
4.80	-047,+524	-041,+519	-032,+510	-040,+518	-023,+502	-061,+536	-034,+512	-065,+540	-045,+514	-038,+516
4.90	-046,+533	-041,+528	-032,+520	-040,+528	-023,+512	-060,+545	-033,+522	-064,+549	-045,+524	-037,+525

TABLE B-2 (continued)

TABLE B-2
99% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

	SURVEY AFM*68	SURVEY FLY*67	SURVEY FLY*50	SURVEY B-1*65	SURVEY WAC*46	SURVEY HEX3/7	SURVEY HEX3/4	SURVEY HEX3/4*	SURVEY LAW ENF
-3-									
.500	-0.46, +543	-0.40, +538	-0.31, +529	-0.39, +537	-0.23, +521	-0.59, +554	-0.33, +531	-0.63, +558	-0.37, +535
.510	-0.45, +552	-0.40, +547	-0.31, +539	-0.39, +546	-0.22, +521	-0.58, +553	-0.33, +531	-0.63, +557	-0.37, +544
.520	-0.44, +557	-0.39, +557	-0.30, +549	-0.38, +556	-0.22, +541	-0.57, +553	-0.32, +550	-0.62, +556	-0.36, +554
.530	-0.44, +571	-0.39, +566	-0.30, +558	-0.38, +565	-0.22, +550	-0.57, +558	-0.32, +550	-0.61, +565	-0.36, +563
.540	-0.43, +580	-0.38, +576	-0.30, +568	-0.37, +575	-0.22, +560	-0.56, +561	-0.31, +569	-0.60, +564	-0.35, +573
.550	-0.43, +589	-0.38, +585	-0.29, +577	-0.37, +584	-0.21, +570	-0.55, +560	-0.31, +579	-0.59, +564	-0.34, +582
.560	-0.42, +599	-0.37, +594	-0.29, +587	-0.36, +594	-0.21, +579	-0.54, +569	-0.30, +588	-0.58, +563	-0.34, +592
.570	-0.41, +608	-0.36, +604	-0.28, +596	-0.36, +603	-0.20, +589	-0.53, +568	-0.30, +598	-0.57, +562	-0.33, +601
.580	-0.41, +617	-0.36, +613	-0.28, +606	-0.35, +612	-0.20, +599	-0.52, +567	-0.29, +607	-0.56, +561	-0.33, +611
.590	-0.40, +627	-0.35, +623	-0.27, +615	-0.34, +622	-0.20, +608	-0.52, +567	-0.29, +617	-0.55, +560	-0.32, +620
.600	-0.39, +636	-0.35, +632	-0.27, +625	-0.34, +631	-0.19, +618	-0.51, +566	-0.28, +626	-0.55, +569	-0.32, +629
.610	-0.38, +645	-0.34, +641	-0.26, +634	-0.33, +640	-0.19, +628	-0.50, +565	-0.28, +636	-0.54, +568	-0.31, +639
.620	-0.38, +654	-0.33, +651	-0.26, +644	-0.33, +650	-0.19, +637	-0.49, +564	-0.27, +645	-0.53, +567	-0.31, +648
.630	-0.37, +664	-0.33, +660	-0.25, +653	-0.32, +659	-0.18, +647	-0.48, +563	-0.27, +655	-0.52, +566	-0.30, +658
.640	-0.36, +673	-0.32, +669	-0.25, +663	-0.31, +669	-0.18, +657	-0.47, +562	-0.26, +664	-0.51, +565	-0.29, +667
.650	-0.35, +682	-0.31, +679	-0.24, +672	-0.31, +678	-0.17, +666	-0.46, +561	-0.26, +674	-0.50, +564	-0.29, +676
.660	-0.35, +691	-0.31, +688	-0.24, +682	-0.30, +687	-0.17, +676	-0.45, +560	-0.25, +683	-0.49, +563	-0.28, +686
.670	-0.34, +701	-0.30, +697	-0.23, +691	-0.29, +697	-0.17, +685	-0.44, +560	-0.24, +692	-0.47, +562	-0.27, +695
.680	-0.33, +710	-0.29, +707	-0.23, +701	-0.29, +706	-0.16, +695	-0.43, +560	-0.24, +702	-0.46, +561	-0.27, +704
.690	-0.32, +719	-0.28, +716	-0.22, +710	-0.28, +715	-0.16, +705	-0.42, +560	-0.23, +711	-0.45, +561	-0.26, +713
.700	-0.31, +728	-0.28, +725	-0.21, +720	-0.27, +725	-0.15, +714	-0.41, +560	-0.23, +721	-0.44, +561	-0.25, +723
.710	-0.31, +737	-0.27, +734	-0.21, +729	-0.26, +734	-0.15, +724	-0.40, +560	-0.22, +730	-0.43, +561	-0.25, +732
.720	-0.30, +747	-0.26, +744	-0.20, +738	-0.26, +743	-0.15, +733	-0.38, +560	-0.21, +739	-0.41, +561	-0.24, +742
.730	-0.29, +756	-0.25, +753	-0.20, +747	-0.25, +752	-0.14, +743	-0.37, +560	-0.21, +749	-0.40, +561	-0.23, +751
.740	-0.28, +765	-0.25, +762	-0.19, +757	-0.24, +762	-0.14, +752	-0.36, +560	-0.20, +758	-0.39, +561	-0.23, +760
.750	-0.27, +774	-0.24, +771	-0.18, +767	-0.23, +771	-0.13, +762	-0.35, +560	-0.19, +768	-0.38, +561	-0.22, +770
.760	-0.26, +783	-0.23, +781	-0.18, +776	-0.23, +780	-0.13, +772	-0.34, +560	-0.19, +777	-0.36, +561	-0.21, +779
.770	-0.25, +792	-0.22, +790	-0.17, +785	-0.22, +789	-0.12, +781	-0.33, +560	-0.18, +786	-0.35, +561	-0.20, +788
.780	-0.24, +801	-0.21, +799	-0.16, +795	-0.21, +799	-0.12, +791	-0.31, +560	-0.17, +796	-0.34, +561	-0.20, +797
.790	-0.23, +810	-0.21, +808	-0.16, +804	-0.20, +808	-0.11, +800	-0.30, +560	-0.17, +805	-0.33, +561	-0.19, +807
.800	-0.22, +820	-0.20, +817	-0.15, +813	-0.19, +817	-0.11, +810	-0.29, +825	-0.16, +814	-0.31, +827	-0.18, +816
.810	-0.21, +829	-0.19, +826	-0.15, +823	-0.18, +826	-0.10, +813	-0.28, +834	-0.15, +824	-0.30, +835	-0.17, +825
.820	-0.20, +838	-0.18, +836	-0.14, +832	-0.18, +835	-0.10, +823	-0.26, +842	-0.15, +833	-0.29, +844	-0.16, +834
.830	-0.19, +847	-0.17, +845	-0.13, +841	-0.17, +844	-0.09, +838	-0.25, +851	-0.14, +842	-0.27, +853	-0.15, +844
.840	-0.18, +856	-0.16, +854	-0.12, +851	-0.16, +854	-0.09, +848	-0.24, +860	-0.13, +851	-0.26, +861	-0.15, +853
.850	-0.17, +865	-0.15, +863	-0.12, +860	-0.15, +865	-0.08, +857	-0.23, +869	-0.12, +861	-0.25, +870	-0.14, +862
.860	-0.16, +874	-0.14, +872	-0.11, +869	-0.14, +872	-0.08, +867	-0.22, +878	-0.12, +870	-0.23, +879	-0.13, +871
.870	-0.15, +883	-0.13, +881	-0.10, +879	-0.13, +881	-0.07, +876	-0.20, +886	-0.11, +879	-0.22, +888	-0.12, +880
.880	-0.14, +892	-0.12, +890	-0.10, +887	-0.12, +890	-0.07, +886	-0.18, +895	-0.10, +888	-0.20, +896	-0.11, +889
.890	-0.13, +901	-0.11, +890	-0.09, +897	-0.11, +899	-0.06, +895	-0.17, +904	-0.09, +898	-0.19, +905	-0.10, +898
.900	-0.12, +910	-0.10, +909	-0.08, +907	-0.10, +908	-0.06, +905	-0.15, +913	-0.09, +907	-0.17, +913	-0.10, +908
.910	-0.11, +919	-0.09, +918	-0.07, +916	-0.09, +918	-0.05, +914	-0.14, +921	-0.08, +916	-0.15, +922	-0.09, +917
.920	-0.10, +928	-0.08, +927	-0.07, +925	-0.08, +927	-0.05, +924	-0.12, +930	-0.07, +925	-0.13, +931	-0.08, +926
.930	-0.08, +937	-0.07, +936	-0.06, +934	-0.07, +936	-0.04, +933	-0.11, +939	-0.06, +935	-0.12, +939	-0.07, +935
.940	-0.07, +946	-0.06, +945	-0.05, +944	-0.06, +945	-0.04, +942	-0.09, +947	-0.05, +944	-0.10, +948	-0.06, +944
.950	-0.06, +955	-0.05, +954	-0.04, +953	-0.05, +954	-0.03, +952	-0.08, +956	-0.04, +953	-0.09, +956	-0.05, +954
.960	-0.05, +963	-0.04, +963	-0.03, +962	-0.04, +963	-0.02, +961	-0.06, +965	-0.04, +962	-0.07, +965	-0.04, +963
.970	-0.04, +972	-0.03, +972	-0.03, +971	-0.03, +972	-0.02, +971	-0.05, +973	-0.03, +971	-0.05, +973	-0.03, +972
.980	-0.02, +981	-0.02, +981	-0.02, +981	-0.02, +981	-0.01, +980	-0.03, +982	-0.02, +981	-0.03, +982	-0.02, +981
.990	-0.01, +990	-0.01, +990	-0.01, +990	-0.01, +990	-0.01, +990	-0.02, +990	-0.01, +990	-0.02, +991	-0.01, +990

APPENDIX C

COMPUTER PROGRAMS

COMPUTER PROGRAM USED TO GENERATE BASIC UNIVARIATE STATISTICS

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C
C
C      PROGRAM *SDF
C      *(INPUT,CLPUT,TAPE5=INPUT,TAPE6=OUTPUT,TAPE9,PUNCH)
C
C      THE DATA STREAM
C      .....THE NAMELIST MINNY (EVEN IF IT IS EMPTY)
C      .....IF NDAYBK>0, THE DATABOOK STUFF
C      .....WHAT EVER INAT5 IN875 WANT
C      .....INAT5 AND IN875 PROVIDE THE CONTENTS OF COMMON/HEAD/ AND COMMON
C      /DATUMS/ WITH THE EXCEPTION OF NMAX WHICH IS CALCULATED BY THE
C      PROGRAM AND EQUALS THE FIRST DIMENSION OF ARRAY F. NMAX IS THE
C      LARGEST NUMBER OF VARIABLES THAT CAN BE PROCESSED.
C
C      COMMON/HEAD/HDG(20),ID,NPG,WHEN(3)
C      COMMON/CLPUTS/X(205),NAY(205,5),A(205,7),NV,NMAX,NSUE
C
C      C-----THE FOLLOWING DIMENSION STATEMENT IS USUALLY THE ONLY THING TO BE
C      CHANGED. IT SHOULD REFLECT THE MAXIMUM NUMBER OF VARIABLES TO BE
C      PROCESSED
C      .....DIMENSION F(205,50),S(205,5),NEK(205),MC(205)
C
C      C-----THE CONTENTS OF COMMON/DAY/ ARE PROVIDED BY THE BLOCK DATA
C      SUBROUTINE. ARRAY PEG CONTAINS THE CONSTANTS FOR CALCULATING THE
C      THE ORTHOGONAL POLYNOMIAL. ARRAY F CONTAINS THE VALUES OF THE
C      PERCENTILES DESIRED
C      COMMON/CLAY/PEG(25,4),P(25)
C
C      C-----THE VALUES OF A ARE THE MIN,MAX,APPROX MEAN, INTERVAL WIDTHS, AND
C      CONVERSION FACTORS
C      EQUIVALENCE (AA(1),A(1,1)),(AB(1),A(1,2)),(AC(1),A(1,3)),
C      1 (WD(1),A(1,5)),(CST(1),A(1,6)),(CCST(1),A(1,7))
C      DIMENSION AA(1),AB(1),AC(1),WD(1),CST(1),CCST(1)
C      DIMENSION PTL(25),SPTL(25),CAN(33),ANS(66)
C      EQUIVALENCE (ANS(1),AVG),(ANS(2),SEM),(ANS(3),SD),(ANS(4),SESD),
C      1 (ANS(5),SPTL(1)),(ANS(30),V),(ANS(31),V1),(ANS(32),V2)
C      2 (ANS(33),N),(ANS(34),CAN)
C      DIMENSION XL(51),XU(1),CF(50),PF(50),CPF(50),IFF(50),ICF(50),
C      1 W(5),C(5)
C      DIMENSION IC(10),IT(50),I9(8)
C      DIMENSION ICUT(17),ALL(13)
C      DIMENSION BLANK(3),JUN(3),CENT(3),RECT(3),BGCT(3)
C
C      C-----NAMELIST MINNY CONTAINS THE SUNKY CONTROL VALUES FOR THIS PROGRAM
C      NF..THE MAXIMUM NUMBER OF LINES IN THE FREQUENCY TABLES (50)
C      ZPN..THE CHECK CONSTANT FOR THE SMOOTHED PERCENTILES (2.0)
C      NGN..DETERMINES THE FORMULA FOR THE COMPUTATION OF THE STANDARD
C      DEVIATION.
C      IF NGN=1, AN UNBIASED ESTIMATE (FOR NORMAL VARIABLES) IS
C      APPROXIMATED BY DIVIDING BY N-1.5
C      IF NGN=2, WE DIVIDE BY N-1
C      OTHERWISE, WE DIVIDE BY N
C      NPG>0 MEANS FULL PUNCH OUTPUT
C      NDAYBK>0 MEANS PUNCH OUTPUT FOR DATA BOOK/FOR I.E. NDAYBK
C      N2LINE>0 MEANS PUNCH OUTPUT FOR TWO LINE LISTING
C      NAGE..THE NUMBER OF A VARIABLE TO WHICH 0.5 SHOULD BE
C      ADDED TO ALL MEASURES OF LOCATION
C      NBOOK..DATA BOOK GROUP IC
C      NAMELIST/MINNY/NP,ZPN,NGN,NFCH,NCLAYBK,N2LINE,NBOOK
C      DATA NF,ZPN,NGN,NPCH,NDAYBK,N2LINE,NAGE,NBCK

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1/50,2,0,0,0,0,999,0/ MSDF 590
DATA H01,H02,H03,H04/1HS,1HT,1HU,1HV/ MSDF 600
DATA BLANK,UN,CENT/2*4H 2H ,4FUNSH,4HCOTH,2HEO,4H CEN,4HTILE, MSDF 610
*2HS / MSDF 620
C THE FOLLOWING DATA LISTS SELECT VARIABLES FOR PUNCH OUTPUT MSDF 630
C MSDF 640
C DATA I9/1,3,30,31,32,33,34,35/ MSDF 650
DATA LL/5,6,8,9,10,12,17,22,24,25,26,28,29/ MSDF 660
C MSDF 670
C THE FOLLOWING TWO FUNCTIONS ARE USED IN CONVERTING FLOATING MSDF 680
C ANSWERS TO INTEGERS FOR PUNCHING MSDF 690
C IWT(Z)=100.0*Z*SIGN(0.5,Z) MSDF 700
C IWT(Z)=10.0*Z*SIGN(0.5,Z) MSDF 710
C READ(5,F,INNY) MSDF 720
C NPCK=NFCF+NCAYPK+NZLINE MSDF 730
C WRITE(6,FINNY) MSDF 740
C THE SIZE OF THE F-ARRAY IS DETERMINED AND TRANSMITTED TO INA75 MSDF 750
F(1,2)=123,321 MSDF 760
DO 1 L=1,9999 MSDF 770
IF(F(L,1).EG.123,321) GO TO 2 MSDF 780
1 CONTINUE MSDF 790
2 NMAX=L-1 MSDF 800
IF(NBCK.EQ.0) GOTO31 MSDF 810
READ (5,30) (NBK(J),J=1,NDAYBK) MSDF 820
WRITE(6,30) (NBK(J),J=1,NDAYBK) MSDF 830
30 FORMAT(2CX,2UI3) MSDF 840
READ (5,41) (MC(J),J=1,NDAYBK) MSDF 850
WRITE(6,41) (MC(J),J=1,NDAYBK) MSDF 860
41 FORMAT(10X,50A1) MSDF 870
31 CONTINUE MSDF 880
C ***** INA75 IS CALLED ONCE AND PROVIDES THE VARIABLE NAMES (NAY(I,J), MSDF 890
C J=1,5), THE VALUES (P(I,J),J=1,7) FOR EACH VARIABLE, THE NUMBER OF MSDF 900
C VARIABLES (NV), AN 8C CHARACTER HEADING (HDG(J),J=1,20), AND THE MSDF 910
C DATE (WHEN(J),J=1,3) MSDF 920
C CALL INA75 MSDF 930
DO 11 J=1,NV MSDF 940
IF(AB(J)-AA(J).LE.NP*WID(J)) GO TO 9984 MSDF 950
PRINT 9985,J,AA(J),AF(J),WID(J) MSDF 960
9985 FORMAT(///34H WID(I) TOO SMALL FOR VARIABLE NO. ,I5,3F10.2) MSDF 970
STOP MSDF 980
9984 DO 12 K=1,5 MSDF 990
12 S(J,K) = 0.0 MSDF1000
DO 13 K=1,NF MSDF1010
13 F(J,K) = 0.0 MSDF1020
11 CONTINUE MSDF1030
C ***** INA75 PROVIDES EACH TIME IT IS CALLED A DATA RECORD CONSISTING MSDF1040
C OF A SUBJECT NO. (NSUB) PLUS NV DATA VALUES (X(I)). AFTER THE LAST MSDF1050
C DATA RECORD, NSUB=-13 IS RETURNED MSDF1060
10 CALL INA75 MSDF1070
IF (NSUB.LE.0) GO TO 99 MSDF1080
DO 3 I=1,NV MSDF1090
IF (X(I).EQ.0.0) GO TO 3 MSDF1100
Y=X(I)-AC(I) MSDF1110
Z= 1.0 MSDF1120
DO 4 J=1,5 MSDF1130
S(I,J)=S(I,J)+Z MSDF1140
4 Z=Z*Y MSDF1150
C ***** DETERMINE APPROPRIATE INTERVAL IN FREQUENCY TABLE MSDF1160
MSDF1170
MSDF1180

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J=(X(I)-AA(I))/WID(I)+1.0
C **** CHECK THAT SELECTED INTERVAL IS LEGAL. IF NOT, IGNORE DATUM AND
C WRITE AN ERROR MESSAGE AND STOP
IF(J.GE.1.AND.J.LE.NF) GO TO 9987
WRITE (6,999) NSUB, I, J, X(I)
999 FORMAT(25H INTERVAL VALUE <1 OR >NF FOR NSUB=,I5,ZI4,F7.1)
STOP
9987 CONTINUE
F(I,J)=F(I,J)+1.0
3 CONTINUE
GO TO 10
99 CONTINUE
C **** SUMMATIONS ARE NOW COMPLETE. COMPLETION OF FINAL RESULTS BEGIN
CALL TIFAGE
IF(NAGE,LC,NV)AC(NAGE)=AC(NAGE)+0.5
DO 100 I=1,NV
16 FORMAT(1P-1)
IF(S(I,1).NE.0.) GO TO 10010
PRINT 300,I,(NAY(I,J),J=1,5)
PRINT 316
316 FORMAT(1P-1,39X,40H/DATA FOR THIS VARIABLE IS ALL ZER0 ***,/)
10010 DO 101 J=2,5
101 W(J)=S(I,J)/S(I,1)
IF(I.NE.2*(I/2)) PRINT 16
AVG=W(2)+AC(I)
SD=(W(3)-W(2)**2)
IF (SD.LE.0.0) SD=0.000001
SD=SQRT(SD)
V1=(W(4)-3.*W(3)*W(2)+2.*W(2)**3)/SD**3
V2=(W(5)-4.*W(4)*W(2)+6.*W(3)*W(2)**2-3.*W(2)**4)/SD**4
IF(NQN.EG.1) SD=SD*SQRT(S(I,1)/(S(I,1)-1.5))
IF(NQN.EG.2) SD=SD*SQRT(S(I,1)/(S(I,1)-1.0))
V=100.*SD/AVG
SEM=SD/SQRT(S(I,1))
SESD=SEM**0.7071
N=S(I,1)
C **** COMPUTE CUMULATIVE FREQUENCIES (CF(I)), PERCENT FREQUENCIES
C (PF(I)), AND CUMULATIVE PERCENT FREQUENCIES (CPF(I))
PCT= 100.0/S(I,1)
CF(1)=F(I,1)
PF(1)=F(I,1)*PCT
CPF(1)=FF(1)
DO 102 J=2,50
CF(J)=CF(J-1) + F(I,J)
PF(J)=F(I,J)*PCT
CPF(J)=CPF(J-1) + PF(J)
102 CPF(J)=CPF(J-1) + PF(J)
C **** NEXT THE RAW PERCENTILES (PTL(J)) ARE COMPUTED
K=1
DO 103 J=1,25
104 IF (CPF(K).GE.F(J)) GO TO 103
K=K+1
GO TO 104
103 PTL(J)=AA(I) +WID(I)*(FLOAT(K)-(CPF(K)-P(J))/ PF(K))
C **** BEGIN THE SMOOTHING PROCESS BY COMPUTING THE ORTHOGONAL POLYNOMIALS
DO 105 J=1,5
O(J)=0.0
105 O(J)=O(J)
DO 106 J=1,25
O(5)=O(5)+PTL(J)
DO 106 L=1,4

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MSDP1190
MSDP1200
MSDP1210
MSDP1220
MSDP1230
MSDP1240
MSDP1250
MSDP1260
MSDP1270
MSDP1280
MSDP1290
MSDP1300
MSDP1310
MSDP1320
MSDP1330
MSDP1340
MSDP1350
MSDP1360
MSDP1370
MSDP1380
MSDP1390
MSDP1400
MSDP1410
MSDP1420
MSDP1430
MSDP1440
MSDP1450
MSDP1460
MSDP1470
MSDP1480
MSDP1490
MSDP1500
MSDP1510
MSDP1520
MSDP1530
MSDP1540
MSDP1550
MSDP1560
MSDP1570
MSDP1580
MSDP1590
MSDP1600
MSDP1610
MSDP1620
MSDP1630
MSDP1640
MSDP1650
MSDP1660
MSDP1670
MSDP1680
MSDP1690
MSDP1700
MSDP1710
MSDP1720
MSDP1730
MSDP1740
MSDP1750
MSDP1760
MSDP1770
MSDP1780

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106 Q(L)=Q(L)*PTL(J)*PEG(J,L)
C **** COMPUTE THE SMOOTHED PERCENTILES SPTL(J)
   VG=Q(5)/25
   DO 107 J=1,25
     SPTL(J)=VG
     DO 107 L=1,4
       SPTL(J)=G(L)*PEG(J,L)+SPTL(J)
C **** CHECK SMOOTHED PERCENTILES
   DO 111 J=1,3
     BQCT(IJ)=BLANK(IJ)
111 BQCT(IJ)=BLANK(IJ)
     WML=ANS(6)-ANS(5)
     DO 22 J=1,23
       WML=ANS(J+6)-ANS(J+5)
       IF(KML,GT,ZPN*WML,OR,WML,LT,WML/ZPN) GO TO 23
22 WML=WML
       GO TO 24
23 CONTINUE
     DO 115 J=1,3
       BQCT(IJ)=UN(IJ)
115 BQCT(IJ)=CENT(IJ)
     DO 25 K=1,25
       SP=SPTL(K)
       SPTL(K)=FTL(K)
       PTL(K)=SF
25 CONTINUE
24 CONTINUE
     DO 26 L=1,25
       ANS(L)=CST(I)*ANS(L)
       CAN(L)=CCST(I)*ANS(L)
26 CONTINUE
     DO 27 L=30,33
       CAN(L)=ANS(L)
27 CAN(L)=ANS(L)
C **** DETERMINE FIRST AND LAST NON-ZERO ENTRY IN F-ARRAY
   DO 32 J=1,NF
     IF(F(I,J),GT,0.0)GO TO 33
32 CONTINUE
33 MIN=J
     DO34 JK=1,NP
       J=NF+1-JK
     IF(F(I,J),GT,0.0)GO TO 359
34 CONTINUE
359 MAX=J
300 FORMAT(13H VARIABLE NO,15,2H--,4A4,A2,5X,2(2A4,A2))
   WRITE (6,441)
441 FORMAT(4X,52HMEAN SE(M) ST DEV SE(SD) CO/VX VETA-1 VETA-2
     *63H 1XLE 2XLE 3XLE 5XLE 10XLE 15XLE 20XLE 25XLE 30XLE
     *E)
   PRINT 702, (ANS(J),J=1,4), (ANS(J),J=30,33)
1, (ANS(J),J=5,13)
   IF(CAN(3).NE.0.0)
     *PRINT 702, (CAN(J),J=1,4), (ANS(J),J=30,33)
1, (CAN(J),J=5,13)
   PRINT 42
42 FORMAT(
     *64P 35XLE 40XLE 45XLE 50XLE 55XLE 60XLE 65XLE 70XLE 75XLE
     *E 49H 80XLE 85XLE 90XLE 95XLE 97XLE 98XLE 99XLE )
   PRINT 703, (ANS(J),J=14,29)
   IF(CAN(3).NE.0.0) PRINT 703, (CAN(J),J=14,29)
MSDF1790
MSDF1800
MSDF1810
MSDF1820
MSDF1830
MSDF1840
MSDF1850
MSDF1860
MSDF1870
MSDF1880
MSDF1890
MSDF1900
MSDF1910
MSDF1920
MSDF1930
MSDF1940
MSDF1950
MSDF1960
MSDF1970
MSDF1980
MSDF1990
MSDF2000
MSDF2010
MSDF2020
MSDF2030
MSDF2040
MSDF2050
MSDF2060
MSDF2070
MSDF2080
MSDF2090
MSDF2100
MSDF2110
MSDF2120
MSDF2130
MSDF2140
MSDF2150
MSDF2160
MSDF2170
MSDF2180
MSDF2190
MSDF2200
MSDF2210
MSDF2220
MSDF2230
MSDF2240
MSDF2250
MSDF2260
MSDF2270
MSDF2280
MSDF2290
MSDF2300
MSDF2310
MSDF2320
MSDF2330
MSDF2340
MSDF2350
MSDF2360
MSDF2370
MSDF2380

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702 FORMAT (F8.2,6F7.2,I7,9F7.2)
703 FORMAT (IX,16F7.2)
IF (CAN(3).EQ.0.C) PRINT 705
705 FORMAT(1Y/1H )
PRINT 35
35 FORMAT (/5X,32HTHE FREQUENCY DISTRIBUTIONS..... )
XL(MIN)= AA(1)+FLOAT(MIN-1)*WIC(1)
M = MIN+1
DO 306 J=P,MAX
XL(J)=XL(J-1)+WID(I)
306 CONTINUE
DO734 K=MIN,MAX
ICF(K)=F(I,K)
ICF(K)=CF(K)
734 XL(K)=XL(K)*CST(I)
XU(MAX)=XL(MAX)-WID(I)*CST(I)
K = MAX-MIN+1
MIX=MIN
7 M = MIN(MIX+16,MAX)
XL(MIX)=XL(MIX)
PRINT 36, (XL(M),M=MIX,M),XU(M)
36 FORMAT(1X,18F7.2)
PRINT 37, (IFF(M),M=MIX,M)
37 FORMAT(1X,3HFRQ,15,1E17)
PRINT 38, (ICF(M),M=MIX,M)
38 FORMAT(1X,3HCF,15,1E17)
PRINT 39, (PF(M),M=MIX,M)
39 FORMAT(1X,3HPFC,17.2,16F7.2)
PRINT 40, (CPF(M),M=MIX,M)
40 FORMAT(1X,3HCPF,17.2,16F7.2)
IF (M-EG,MAX) GO TO 8
PRINT71E
MIX=MIX+17
GO TC 7
8 CONTINUE
N14=8
IF (MAX-MIN,GT,33) N14=2
IF (MAX-MIN,LT,17) N14=14
IF (L*EG,2*(1/2)) N14=N14-1
DO 15 K=1,N14
15 PRINT71E
16 FORMAT(1H )
IF(I,NE,2*(1/2),AND,I,EO,NV)PRINT 402,WHEN,HOG,NPG
402 FORMAT(2E(//),1X,4A,2,10X,20A4,12X,4HPAGE,I4)
IF(I,NE,2*(1/2)) GO TO722
NPG=NPG+1
PRINT 401,WHEN,HOG,NPG
401 FORMAT(1X,2A4,A2,10X,20A4,12X,4HPAGE,I4)
722 CONTINUE
IF(NPCH.EQ.0)GO TO 725
IF(NPCH.EQ.0) GO TO 50
C*****PUNCH OUTPUT FOR ONE-PAGE LISTINGS
DO 9 J=1,8
IF (J,EG,6) GO TO 9
J9 = I9(J)
IO(J)=I9(JANS(J9))
9 CONTINUE
IO(6)=N
PUNCH 7(7,I,(NAY(I,M),M=1,5),(IC(M),M=1,8)
707 FORMAT(2F81,I3,4A4,A2,2I6,4I5,2I6)
MSDP2390
MSDP2400
MSDP2410
MSDP2420
MSDP2430
MSDP2440
MSDP2450
MSDP2460
MSDP2470
MSDP2480
MSDP2490
MSDP2500
MSDP2510
MSDP2520
MSDP2530
MSDP2540
MSDP2550
MSDP2560
MSDP2570
MSDP2580
MSDP2590
MSDP2600
MSDP2610
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MSDP2630
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MSDP2660
MSDP2670
MSDP2680
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MSDP2700
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MSDP2980

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DO 14 PK=1,2
JKL = PK*33-30
IF(ANS(J,KL).LE.C.0) GO TO 14
KL = 1+KL
DO 11 J=1,25
KK = J+KL
IT(J) = IWZ(ANS(KK))
711 CONTINUE
IP = IT(13)/1000
IT(13) = IT(13)-1000*IP
LK=2*PK
PUNCH 100, LK,I,(IT(J),J=1,12),IP
LK=LK+1
PUNCH 100, LK,I,(IT(J),J=13,25)
108 FORMAT (1H8,I1,I3,I2I6,I3)
109 FORMAT (1H8,I1,I2I3,I2I6)
14 CONTINUE
IA = IWZ(XL(MIN))
IB=IWZ(10.0*OST(I)*WID(I))
DO 12 J=MIN,MAX
L9 = J-MIN+1
212 IT(L9) = F(I,J)
NI = MAX-MIN+1
IZ = MIN(NI,15)
PUNCH 110, I,IA,IB,NI,(IT(K),K=1,IZ)
IF (NI.LE.15) GO TO 113
IZ = MIN(NI,33)
PUNCH 112, I,(IT(K),K=15,IZ)
IF (NI.LE.33) GO TO 113
PUNCH 114, I,(IT(K),K=34,NI)
110 FORMAT (2H86,I3,I2I6,I2,I5I4)
112 FORMAT (2H87,I3,I8I4)
114 FORMAT (2H88,I3,I7I4)
113 CONTINUE
50 CONTINUE
IF(I.GT.NDAYBK)GO TO 51
IF(NBK(1).EQ.0)GO TO 51
C PUNCH DATA BOOK CARDS
C 1,NBK(1) IS THE DATA BOOK NUMBER FOR THE I TH VARIABLE
C 2,NBK(1) IS THE SURVEY GROUP ID
C 3,NN CODEINES NEK & NBOOK INTO ONE 6-DIGIT NUMBER
C 4,MC IS THE MEASUREVENT CODE
NN=NBK(1)*1000+NBOOK
IF(NN.LT.0)NN=-2*NBOOK
IOUT(1)=IWZ(ANS(1))
IOUT(2)=IWZ(ANS(3))
IOUT(3)=IWZ(ANS(31)+4.)
IOUT(4)=IWZ(ANS(32))
IF(ANS(25).GE.99.995) GOT062
DO 17 L=1,13
J=LL(L)
IOUT(LL+4)=IWZ(ANS(J))
17 CONTINUE
PUNCH 98,NN,N,IOUT,MC(I)
IF(ANS(25).LT.9.C.0) GO TO 63
62 CONTINUE
DO 18 L=1,13
J=LL(L)
IOUT(LL+4)=IW(ANS(J))
18 CONTINUE
MSDP2990
MSDP3000
MSDP3010
MSDP3020
MSDP3030
MSDP3040
MSDP3050
MSDP3060
MSDP3070
MSDP3080
MSDP3090
MSDP3100
MSDP3110
MSDP3120
MSDP3130
MSDP3140
MSDP3150
MSDP3160
MSDP3170
MSDP3180
MSDP3190
MSDP3200
MSDP3210
MSDP3220
MSDP3230
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MSDP3250
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        PUNCH 98,NN,N,ICUT,MC(I)
63  CONTINUE
      IOUT(1)=IWZ(CAN(1))
      IOUT(2)=IWZ(CAN(3))
      IF(CAN(25).GE.99.995) GO TO 72
      DO 15 L=1,13
        J=LL(L)
      IOUT(L+4)=IWZ(CAN(J))
15  CONTINUE
      PUNCH 97,NN,N,ICUT,MC(I)
      IF(CAN(25).LT.99.0) GOT074
72  CONTINUE
      DO 20 L=1,13
        J=LL(L)
      IOUT(L+4)=IW(CAN(J))
20  CONTINUE
      PUNCH 97,NN,N,ICUT,MC(I)
74  CONTINUE
98  FORMAT( I6,I4,I5,I4,2I3,13I4,A1,1HP)
97  FORMAT( I6,I4,I5,I4,2I3,13I4,A1,1HE)
51  CONTINUE
      IF(NZLINE.EC.0) GO TO 725
      I1=HC1
      I2=HC2
      I3=HC3
      I4=HC4
      PUNCH 116, I1,I,(NAY(I,J),J=1,5),
1  (ANS(J),J=1,4),(ANS(J),J=30,33)
      PUNCH 117, I3,ANS(5),ANS(8),ANS(9),ANS(10),ANS(12),
1  ANS(14),ANS(17),ANS(20),ANS(22),ANS(24),
2  ANS(26),ANS(26),IANS,I
116  FORMAT (A1,I3,I4,I4,A2,I2X,F6.2,F5.2,F5.2,
1  F5.1,2F5.2,I6)
      IF(CAN(3).EG.0.0) GO TO 51
      PUNCH 116, I2,I,(NAY(I,J),J=1,5),
1  (CAN(J),J=1,4),(ANS(J),J=30,33)
      IANS=IWZ(CAN(29))
      PUNCH 117, I4,CAN(5),CAN(8),CAN(9),CAN(10),CAN(12),
1  CAN(14),CAN(17),CAN(20),CAN(22),CAN(24),
2  CAN(25),CAN(26),IANS,I
117  FORMAT (A1,F5.1,11F6.1,I5,I3)
725  F(I,1)=ANS(1)
      F(I,2)=ANS(3)
      F(I,3)=CAN(1)
      F(I,4)=CAN(3)
      F(I,13)=ANS(12)
      F(I,5)=ANS(9)
      F(I,14)=ANS(17)
      F(I,15)=ANS(22)
      F(I,19)=ANS(29)
      DOB18 M=20,33
818  F(I,M-25)=ANS(M)
      DOB19 M=8,10
      F(I,M+2)=ANS(M)
819  F(I,M+8)=ANS(M+16)
      F(I,9)=ANS(5)
      IF(EPCT(1).EQ.ECCT(1)) GO TO 328
      F(I,25)=-99.0
      DO 329 K=26,50
      F(I,K)=FTL(K-25)

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MSDP3550
MSDP3600
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MSDP3980
MSDP3990
MSDP4000
MSDP4010
MSDP4020
MSDP4030
MSDP4040
MSDP4050
MSDP4060
MSDP4070
MSDP4080
MSDP4090
MSDP4100
MSDP4110
MSDP4120
MSDP4130
MSDP4140
MSDP4150
MSDP4160
MSDP4170
MSDP4180

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329  CONTINUE
328  CONTINUE
100  CONTINUE
    DO 12349 M=1,NV,50
    PRINT 1233,HDG
1233  FORMAT(1H1,48X,33HUNIVARIATE SUMMARY STATISTICS FOR,46X,1H ,/,25X,
*20A4,23X,1H ,/128X,1H ,/
X 26X,103HMEAN SD (CONV. M SD) CO/V V-I V-II NC. 1%
* 5% 10% 15% 25% 50% 75% 85% 90% 95% 99% )
    MMP=MIN0(NV,M+49)
    DO 12347 M9=M,MMM
    PRINT 12345, M9,(NAY(M9,J),J=1,5), (F(M9,K),K=1,19)
    IF (M9.EC.10*(M9/10)) PRINT 12345
12345  FORMAT(14,1X,4A4,A2,F7.2,F6.2,2H (F6.2,F6.2,1H),F5.1,1H%,2F6.2,15,
<11F5.1)
12347  CONTINUE
    PRINT 12345
    IF(MMM.LT.NV)PRINT 401,WHEN,HDG,NPG
    PRINT 12345
    IF(MMM.LT.NV) GO TO 12349
    MM=M+49
    DO 12348 K =MMM,MM
    PRINT 12345
    PRINT 401,WHEN,HDG,NPG
12349  CONTINUE
    NP=0
    DO 430 I=1,NV
    IF (F(I,25).NE.-99.) GO TO 430
    IF (NP.EC.NP/15*15) W6ITE (6,431)
    431  FORMAT(43H1A LIST CF NONSTANDARD SMOOTHED PERCENTILES )
    NP=1+NP
    PRINT 432,I,(NAY(I,J),J=1,5),(F(I,J),J=26,50)
    432  FORMAT(/I5,2X,4A4,A2/(13F8.2))
    430  CONTINUE
    STCF
    ENC
    END
MSDP4190
MSDP4200
MSDP4210
MSDP4220
MSDP4230
MSDP4240
MSDP4250
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MSDP4270
MSDP4280
MSDP4290
MSDP4300
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MSDP4370
MSDP4380
MSDP4390
MSDP4400
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COMPUTER PROGRAM USED TO GENERATE CORRELATION COEFFICIENTS

```

C-----
C A PROGRAM TO COMPUTE CORRELATION COEFFICIENTS BASED ON COMPLETE DATA
C DATA ARE READ IN FROM TAPE 10, RESULTS ARE WRITTEN ON TAPE 20.
C AVG(I) - THE MEAN OF X(I) = Y(I) + A(I,3)
C A(I,1), A(I,2), & A(I,3) - MINIMUM, MAXIMUM, & APPROX. MEAN FOR THE I-TH
C VARIABLE.
C A(I,K), K=4,7 - CONSTANTS NOT USED IN THIS PROGRAM
C HDG - AN 80-CHARACTER HEADING FOR LABELLING THE OUTPUT
C N - COUNTS THE NUMBER OF SUBJECTS USED IN THE CALCULATIONS
C NAME(I,K), K=1,2 - AN 18-CHARACTER NAME FOR THE I-TH VARIABLE
C NQ(I) - AN IDENTIFYING NUMBER FOR THE I-TH VARIABLE
C NSUB - THE SUBJECT NUMBER ASSOCIATED WITH AN ARRAY OF INPUT DATA
C NV - NUMBER OF VARIABLES
C Q(I) - AN ARRAY CONTAINING THE CORRELATIONS FOR A SPECIFIED VARIABLE
C R(I) - THE CORRELATION COEFFICIENTS--STORED WHERE YPROD WAS
C SD(I) - THE STANDARD DEVIATION OF THE I-TH VARIABLE--STORED WHERE SSQ WAS
C SSQ(I) - THE SUM OF THE SQUARES OF Y(I)
C SY(I) - THE SUM OF THE Y(I)'S
C YPROD - THE SUM OF CROSSPRODUCTS OF Y-VALUES
C X(I) - THE RAW DATA
C Y(I) - THE "REDUCED" VALUE OF X, Y(I) = X(I) - A(I,3)--STORED WHERE X WAS
C YM(I) - THE MEAN OF THE Y(I) VALUES--STORED WHERE SY WAS
C I,J,K,L--INDICES, ILESS1=I-1, IPLUS1=I+1, NT=NV*NV/2, NM=NV-1,
C UNITY=1.0, XM=N
C-----
C SUBROUTINE INA PROVIDES THE NUMBER OF VARIABLES (NV), NAMES (NAME),
C IDENTIFYING NUMBERS (NQ), AND BASIC CONSTANTS (A) FOR EACH VARIABLE.
C SUBROUTINE INB PROVIDES THE ACTUAL DATA (X) AND, FOR EACH RECORD, A
C SUBJECT NUMBER (NSUB). A NON-POSITIVE VALUE FOR NSUB SIGNALS THE END
C OF THE DATA STREAM.
C-----
C DIMENSION OF NQ & X MUST BE AT LEAST NV. A & NAME AT LEAST (NV,7) & (NV,2).
C DIMENSION OF YPROD MUST BE AT LEAST NV*(NV-1)/2.
C SY & SSQ USE SPACE ALLOCATED TO A(1,4) & A(1,5) WHICH ARE NOT USED. Q USES
C THE SPACE ASSIGNED TO X.
C-----
COMMON/SETUP/NV,NQ(200),A(200,7),NAME(200,2),HDG(8)
COMMON/DATUMS/NSUB,X(200)
DIMENSION YPROD(19900)
DIMENSION R(1),YM(1),AVG(1),SD(1),Y(1),SY(1),SSQ(1),Q(1)
EQUIVALENCE (YPROD,R),(SY,YM,A(1,4)),(SD,SSQ,A(1,5)),(Y,X,Q)
DATA UNITY/1.0/
C INA IS CALLED TO PROVIDE THE CONTENTS OF /SETUP/
CALL INA
CALL INA
NM=NV-1
NT=NV*NV/2
C THE VALUES OF YPROD, SY, & SSQ ARE SET TO ZERO
N=0
DO 1 I=1,NT
1 YPROD(I)=0.0
DO 2 I=1,NV
SY(I)=0.0
2 SSQ(I)=0.0
C INB IS CALLED REPEATEDLY TO FETCH THE DATA
101 CALL INB
IF (NSUB.LE.0) GO TO 201
DO 102 I=1,NV
IF (X(I).GE.A(I,1).AND.X(I).LE.A(I,2)) GO TO 102
PRINT 103, NSUB, I, X(I), A(I,1), A(I,2)

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103 FORMAT(* ***** WHAT-PRAY TELL-IS WRONG? NSUB =*,I5,* X(*,I3,*)=*,
1F7.1,* SHOULD BE BETWEEN*,F7.1,* AND*,F7.1)
GO TO 101
102 Y(I)=X(I)-A(I,3)
DO 104 I=1,NV
SY(I)=SY(I)+Y(I)
104 SSQ(I)=SSQ(I)+Y(I)**2
N=N+1
L=0
DO 105 I=1,NW
IPLUS1=I+1
DO 105 J=IPLUS1,NV
L=L+1
105 YPROD(L)=YPROD(L)+Y(I)*Y(J)
GO TO 101
201 XN=N
C AT THIS POINT THE SUMMATIONS ARE COMPLETE. FIRST THE MEANS & ST DEVS
DO 202 I=1,NV
YM(I)=SY(I)/XN
SD(I)=SQRT(AMAX1(0.0,SSQ(I)/XN-YM(I)**2))
IF (SD(I).EQ.0.0) SD(I)=10.0**99.
C THE PREVIOUS STATEMENT & THE NATURE OF THE PRIOR ONE ARE INTENDED
C TO PREVENT DISASTER IF, ESPECIALLY IN A TEST RUN, THE VALUES OF X(I)
C ARE ALL THE SAME.
202 AVG(I)=YM(I)+A(I,3)
C NOW THE CORRELATION COEFFICIENTS
L=0
DO 203 I=1,NW
IPLUS1=I+1
DO 203 J=IPLUS1,NV
L=L+1
203 R(L)=(YPROD(L)/XN - YM(I)*YM(J))/(SD(I)*SD(J))
C IT'S ALL DONE EXCEPT FOR DIVULGING THE RESULTS
WRITE (20,301) HOG, (NQ(I), (NAME(I,K), K=1,2), AVG(I), SD(I), I=1,NV)
PRINT 301, HOG, (NQ(I), (NAME(I,K), K=1,2), AVG(I), SD(I), I=1,NV)
301 FORMAT(8A10/(I5,2X,2A9,2F12.5))
WRITE (20,302) NQ(I),UNITY,(R(K),K=1,NW)
PRINT 302, NQ(I),UNITY,(R(K),K=1,NW)
302 FORMAT (I4/(I1X,12F10.8))
DO 304 I=2,NV
ILESS1=I-1
IPLUS1=I+1
K=I-NV
DO 305 J=1,ILESS1
K=K+NV-J
K=K+NV-J
305 Q(J)=R(K)
Q(I)=UNITY
IF (I.EQ.NV) GO TO 306
K=K+NV-I
DO 307 J=IPLUS1,NV
K=K+1
307 Q(J)=R(K)
306 WRITE (20,302) NQ(I), (Q(J), J=1,NV)
304 PRINT 302, NQ(I), (Q(J), J=1,NV)
END FILE 20
REWIND 20
STOP
END

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REC 0061
REC 0062
REC 0063
REC 0064
REC 0065
REC 0066
REC 0067
REC 0068
REC 0069
REC 0070
REC 0071
REC 0072
REC 0073
REC 0074
REC 0075
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REC 0106
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REC 0108
REC 0109
REC 0110
REC 0111
REC 0112
REC 0113
REC 0114
REC 0115
REC 0116
REC 0117
REC 0118

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APPENDIX D

INDEX BY NAME, ANATOMICAL REGION
AND ANTHROPOMETRIC TECHNIQUE

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

ABDOMEN

- ..ABDOMINAL DEPTH, SITTING # 6
- ..ABDOMINAL EXTENSION CIRCUMFERENCE # 8
- ..ABDOMINAL EXTENSION CIRCUM., CFG # 9
- ..ABDOMINAL EXTENSION DEPTH #10
- ..ABDOMINAL EXTENSION DEPTH., CFG # 14
- ..ABDOMINAL EXTENSION HEIGHT #18
- ..ABDOMINAL EXTENSION HEIGHT, CFG # 19
- ..HIP CIRCUMFERENCE 7" BELOW WAIST #468
- ..HIP CIRCUMFERENCE 9" BELOW WAIST #468
- ..HIP CIRC 7" BELOW WAIST, OFG #470
- ..HIP CIRC 9" BELOW WAIST, OFG #472
- ..PENALE HEIGHT #470

ABDOMINAL DEPTH, SITTING # 6

ABDOMINAL EXTENSION CIRCUMFERENCE # 8

ABDOMINAL EXTENSION CIRCUM., CFG # 9

ABDOMINAL EXTENSION DEPTH #10

ABDOMINAL EXTENSION DEPTH., CFG #14

ABDOMINAL EXTENSION HEIGHT #18

ABDOMINAL EXTENSION HEIGHT, CFG #19

ACROMIAL HEIGHT #23

ACROMIAL HEIGHT, SITTING #25

ACROMION

- ..ACROMIAL HEIGHT #23
- ..ACROMIAL HEIGHT, SITTING #25
- ..ACROMION TO BICEPS CIRCUMF.-LEVEL #30
- ..BIACROMIAL BREADTH #103
- ..DELTOID ARC #269
- ..SHOULDER-ELBOW LENGTH #751
- ..SHOULDER LENGTH #754

ACROMION TO BICEPS CIRCUMF.-LEVEL #30

ACROMION-RADIAL LENGTH #39

AGE #43

ANKLE

- ..ANKLE CIRCUMFERENCE #58
- ..ANKLE HEIGHT #64
- ..BIMALLEOLAR BREADTH #134
- ..HEEL-ANKLE CIRCUMFERENCE #445
- ..LATERAL MALLEOLUS HEIGHT #543

..MEDIAL MALLEOLUS HEIGHT #579

..SPHYRION HEIGHT #801

ANKLE CIRCUMFERENCE #58

ANKLE HEIGHT #64

ANTERIOR NECK LENGTH #72

ANTERIOR WAIST LENGTH #74

ARCS

- ..BACK CURVATURE #93
- ..BITRAGON-CCFONAL ARC #144
- ..BITRAGON-CRINION ARC #146
- ..BITRAGON-INION ARC #148
- ..BITRAGON-MENTON ARC #150
- ..BITRAGON-MINIMUM FRONTAL ARC #152
- ..BITRAGON-POSTERIOR ARC #154
- ..BITRAGON-SUBMANDIBULAR ARC #156
- ..BITRAGON-SLENASALE ARC #158
- ..DELTOID ARC #269
- ..GLUTEAL ARC #395
- ..INTERSCYE #506
- ..INTERSCYE, MAXIMUM #507
- ..INTERSCYE, II #508
- ..INTERSCYE, MAXIMUM, II #509
- ..SAGITTAL ARC #702

ARM

- ..ACROMION TO BICEPS CIRCUMF.-LEVEL #30
- ..ACROMION-RADIAL LENGTH #39
- ..ARM REACH FROM WALL #80
- ..AXILLARY ARM CIRCUMFERENCE #89
- ..BICEPS CIRCUMFERENCE, FLEXED #111
- ..BICEPS CIRCUMFERENCE, FLEXED, II #112
- ..BICEPS CIRCUMFERENCE, RELAXED #113
- ..BICEPS CIRCUMFERENCE, RELAXED, II #114
- ..DELTOID ARC #269
- ..ELBOW BREADTH #293
- ..ELBOW BREADTH, II #297
- ..ELBOW CIRCUMFERENCE, FLEXED #300
- ..ELBOW CIRCUMFERENCE, RELAXED #303
- ..ELBOW HEIGHT #309
- ..ELBOW REST HEIGHT #312
- ..ELBOW-ELBOW BREADTH #318
- ..ELBOW-GRIP LENGTH #322
- ..ELBOW-WRIST LENGTH #324
- ..FOREARM CIRCUMFERENCE, FLEXED #369
- ..FOREARM-FOREARM BREADTH #378
- ..FOREARM-HAND LENGTH #381
- ..MAXIMUM REACH FROM WALL #572
- ..RADIAL-STYLION LENGTH #696
- ..SCYE CIRCUMFERENCE #735
- ..SLEEVE INSEAM #764

ARM-CONTINUED

..SLEEVE LENGTH (SPINE-WRIST) #772

..SPAN #797

..THUMB-IIF REACH #867

..THUMB-IIF REACH, EXTENDED #869

..TRICEPS SKINFOLD #888

..TRICEPS SKINFOLD, II #890

..VERTICAL GRIP REACH #911

..WRIST CIRCUMFERENCE #967

..WRIST HEIGHT #973

ARM REACH FROM WALL #80

ARMSOYE--SEE SCYE

ARMSOYE CIRCUMFERENCE

--SEE SCYE CIRCUMFERENCE #735

AXILLA

..AXILLARY ARM CIRCUMFERENCE #89

..AXILLA TO WAIST LENGTH #091

..SCYE CIRCUMFERENCE #735

..SLEEVE INSEAM #764

AXILLARY ARM CIRCUMFERENCE #89

AXILLA TO WAIST LENGTH #91

BACK CURVATURE #93

ACK OF THE HEAD

..BITRAGION-INION ARC #142

..BITRAGION-POSTERIOR ARC #154

..CHIN PROMINENCE TO WALL #245

..ECTOANTHUS TO WALL #291

..GLABELLA TO WALL #301

..HEAD DIAGONAL-INION TO PRONASALE #433

..HEAD DIAGONAL-MENTON TO OCCIPUT #437

..HEAD DIAGONAL-MAXIMUM TO NUCHALE #430

..HEAD LENGTH #441

..LARYNX TO WALL #539

..LIP PROTRUSION TO WALL #552

..MENTON TO WALL #597

..PRONASALE TO WALL #694

..SAGITTAL ARC #702

..SELLION TO WALL #741

..STRACTION TO WALL #884

BACK OF THE HEAD

..BACK CURVATURE #93

..BUTTOCK HEIGHT #188

..CERVICAL HEIGHT #219

..GLUTEAL ARC #306

..GLUTEAL FURROW HEIGHT #398

..INTERSCYE #507

..INTERSCYE, II #508

..INTERSCYE, MAXIMUM, II #509

..SCROTAL TO CERVICAL LENGTH #714

..SCROTAL TO CERVICAL LENGTH, SIT #715

..SCROTAL-MIDSCAPULAR OVER BUTTOCK #717

..SCROTAL-MIDSCAPULAR/POSTOOCK, SIT #718

..SCROTAL-MIDSCAPULAR/POSTERIOR #719

..SCROTAL-MIDSCAPULAR/POSTER, SIT #720

..SCROTAL-POSTERIOR SCYE LVL, SIT #723

..SCROTAL-POSTERIOR WAIST LEVEL #724

..SCROTAL-POSTERIOR WAIST LVL, SIT #725

..SUBSCAPULAR SKINFOLD #833

..TRUNK HEIGHT #898

..WAIST BACK #921

BALL OF FOOT

..BALL-OF-FOOT CIRCUMFERENCE #97

..FOOT BREADTH #356

..INSTEP LENGTH #496

BALL-OF-FOOT BREADTH

--SEE FOOT BREADTH #356

BALL-OF-FOOT CIRCUMFERENCE #97

BALL-OF-FOOT LENGTH

--SEE INSTEP LENGTH #496

BIACROMIAL BREADTH #103

BIARTICULAR BREADTH #107

BICEPS

..ACROMION TO BICEPS CIRCUMF.-LEVEL #30

..BICEPS CIRCUMFERENCE, FLEXED #111

..BICEPS CIRCUMFERENCE, FLEXED, II #112

..BICEPS CIRCUMFERENCE, RELAXED #113

..BICEPS CIRCUMFERENCE, RELAXED, II #114

BICEPS CIRCUMFERENCE, EXTENDED

--SEE BICEPS CIRC., RELAXED #113 & #114

BICEPS CIRCUMFERENCE, FLEXED #111

BICEPS CIRCUMFERENCE, FLEXED, II #112

BICEPS CIRCUMFERENCE, RELAXED #113

BICEPS CIRCUMFERENCE, RELAXED, II #114

BIGLTOID BREADTH #122

BIGONIAL BREADTH #126

```

..BILIAC BREATH
-SEE BILICORISTALE BREATH #130
..BILIOPISTALE BREATH #176
..BIMALLCOLA BREATH #134
..BIOCULAR BREATH #138
..BITRAGON BREATH #142
..BITRAGION-CORNAL ARC #144
..BITRAGION-CRINIA ARC #146
..BITRAGION-INICA ARC #148
..BITRAGION-MENICA ARC #150
..BITRAGION-MINIML FRONTAL ARC #152
..BITRAGION-FCSIEFICK ARC #154
..BITRAGION-SLEMANTEULAR ARC #156
..BITRAGION-SUBNASALE ARC #158
..BITROCHANTERIC BREATH #161
..BITROCHANTRIC/EONE
-SEE BITROCHANTERIC BREATH #161
..BITZYGOMATIC BREATH #165
BREATHS
...BIACROMIAL BREATH #103
...BIADIUCULAR BREATH #107
...BIDELIC BREATH #122
...BIGONAL BREATH #126
...BILICORISTALE BREATH #130
...BIIMALLEOLAR BREATH #134
...BIOCULAR BREATH #138
...BITRAGON BREATH #142
...BITROCHANTERIC BREATH #161
...BITZYGOMATIC BREATH #165
...BUSTPOINT-BUSTPOINT BREATH #172
...CHEST BREATH #227
...CHEST BREATH (BCNE) #227
...CLAW BREATH #277
...CLOW BREATH #293
...CLOW BREATH, II #297
...CLOW-BUECK BREATH #318
...FEMORAL BREATH #334
...FEMORAL BREATH, II #336
...FOOT BREATH #358
..FOREARM-FREARM BREATH #378
..HAND BREATH #411
..HAND BREATH ACROSS THUMB #413
..HEAD BREATH #427
..HEEL BREATH #450
..HIP BREATH #457
..HIP BREATH, CFG #461
..HIP BREATH, SITTING #459
..INTEROCULAR BREATH #500
..INTERPULILLARY BREATH #503
..KNEE-TO-KNEE BREATH #532
..MAXIMUM FRONTAL BREATH #569
..MINIMUM FRONTAL BREATH #618
..NASAL BREATH #622
..THIGH-THIGH BREATH, SITTING #859
..THIGH-THIGH BREATH, SITTING, OFG #860
..WAIST BREATH #924
..WAIST BREATH, OFG #928
..WAIST BREATH #964
ALST
..BUST DEPTH #169
..BUSTPOINT-BUSTPOINT BREATH #172
..BUSTPOINT HEIGHT #174
..CHEST CIRCUMFERENCE #230
..CHEST CIRCUMFERENCE BELOW BUST #232
..CHEST DEPTH #236
..CHEST DEPTH AT SCYE #237
..NECK-BUSTPOINT LENGTH #636
..STRAP LENGTH #821
BUST CIRCUMFERENCE
-SEE CHEST CIRCUMFERENCE #230
BUST DEPTH #169
BUSTPOINT-BUSTPOINT BREATH #172
BUSTPOINT HEIGHT #174
BUTTOCKS
..BUTTOCK CIRCUMFERENCE #178
..BUTTOCK CIRCUMFERENCE, SITTING #179
..BUTTOCK CIRCUMFERENCE, SIT, OFG #180
..BUTTOCK DEPTH #183
..BUTTOCK DEPTH, OFG #185
..BUTTOCK HEIGHT #188
..BUTTOCK-HEEL LENGTH #191
..BUTTOCK-KNEE LENGTH #194
..BUTTOCK-POLLITAEAL LENGTH #200
..CROTCH LENGTH #252
..GLUTEAL ARC #395
..GLUTEAL PUFFOW HEIGHT #398
..HIP CIRCUMFERENCE 7" BELOW WAIST #466
..HIP CIRCUMFERENCE 9" BELOW WAIST #468

```

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

BUTTOCKS--CONTINUED
 ..HIP CIRC 7" BELOW WAIST, OFG #470
 ..HIP CIRC 9" BELOW WAIST, OFG #472
 ..SCROTAL-MIDSHOULDER OVER BUTTOCK #717
 ..SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 ..SCROTAL-WAIST OVER BUTTOCK #730
 ..SCROTAL-WAIST OVER BUTTOCK, SIT #731
 BUTTOCK CIRCUMFERENCE #178
 BUTTOCK CIRCUMFERENCE, SITTING #179
 BUTTOCK CIRCUMFERENCE, SIT, OFG #180
 BUTTOCK DEPTH #183
 BUTTOCK DEPTH, OFG #185
 BUTTOCK HEIGHT #188
 BUTTOCK-HEEL LENGTH #191
 BUTTOCK-KNEE LENGTH #194
 BUTTOCK-LEG LENGTH
 -SEE BUTTOCK-HEEL LENGTH #191
 BUTTOCK-POPITITAL LENGTH #200
 CALF
 ..CALF CIRCUMFERENCE #207
 ..CALF CIRCUMFERENCE, II #209
 ..CALF HEIGHT #215
 ..MEDIAL CALF SKINFOLD #576
 CALF CIRCUMFERENCE #207
 CALF CIRCUMFERENCE, II #209
 CALF HEIGHT #215
 CANTHUS--SEE EYES
 CANTHUS-CTCEASION
 -SEE ECTOCANTHUS TO OTC9ASTON #287
 CERVICALE
 ..CERVICALE HEIGHT #219
 ..POSTERIOR NECK LENGTH #686
 ..SCROTAL TO CERVICALE LENGTH #714
 ..SCROTAL TO CERVICALE LENGTH, SIT #715
 ..TRUNK HEIGHT #898
 ..WAIST BACK #921
 CERVICALE HEIGHT #219
 CERVICALE-LATFRAL NECK
 -SEE NECK-CERVICALE LENGTH #637
 CHEILION
 ..LIP LENGTH #547
 CHEST
 ..ANTERIOR WAIST LENGTH # 74
 ..BUST DEPTH #169
 ..BUSTPOINT-ELUSPOINT BREADTH #172
 ..BUSTPOINT HEIGHT #174
 ..CHEST BREADTH #223
 ..CHEST BREADTH (BONE) #227
 ..CHEST CIRCUMFERENCE #230
 ..CHEST CIRCUMFERENCE AT SCYE #231
 ..CHEST CIRCUMFERENCE BELOW BUST #232
 ..CHEST DEPTH #236
 ..CHEST DEPTH AT SCYE #237
 ..CHEST HEIGHT #241
 ..JUXTANIPPLE SKINFOLD #511
 ..NECK-BUSTPOINT LENGTH #636
 ..STRAP LENGTH #821
 ..SUBSTERNAL HEIGHT #837
 ..SUPRASTERNAL HEIGHT #841
 ..WAIST FRONT #946
 CHEST BREADTH #223
 CHEST BREADTH/SKIN
 -SEE CHEST BREADTH #223
 CHEST BREADTH (BONE) #227
 CHEST CIRCUMFERENCE #230
 -ALSO SEE CHEST CIRCUMF. AT SCYE #231
 CHEST CIRCUMFERENCE AT SCYE #231
 CHEST CIRCUMFERENCE BELOW BUST #232
 CHEST DEPTH #236
 -ALSO SEE BUST DEPTH #169
 -ALSO SEE CHEST DEPTH AT SCYE #237
 CHEST DEPTH AT SCYE #237
 CHEST HEIGHT #241
 CHIN
 ..BITRAGION-MENTON ARC #150
 ..CHIN PROMINENCE TO WALL #245
 ..HEAD DIAGONAL-MENTON TO OCCIPUT #437
 ..MENTON-CRINION LENGTH #583
 ..MENTON-SELLION LENGTH #586

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPMETRIC TECHNIQUE

CHIN-CONTINUED
 ..MENTON-SUBNASALE LENGTH #592
 ..MENTON TO TOP OF HEAD #595
 ..MENTON TO WALL #597

CHIN PROMINENCE TO WALL #245

CIRCUMFERENCES
 ..ABDOMINAL EXTENSION CIRCUMFERENCE # 8
 ..ABDOMINAL EXTENSION CIRCUM., CFG # 9
 ..ANKLE CIRCUMFERENCE #58
 ..AXILLARY ARM CIRCUMFERENCE # 89
 ..BALL-OF-FOOT CIRCUMFERENCE #97
 ..BICEPS CIRCUMFERENCE, FLEXED #111
 ..BICEPS CIRCUMFERENCE, FLEXED, II #112
 ..BICEPS CIRCUMFERENCE, RELAXED #113
 ..BICEPS CIRCUMFERENCE, RELAXED, II #114
 ..BUTTOCK CIRCUMFERENCE #178
 ..BUTTOCK CIRCUMFERENCE, SITTING #179
 ..BUTTOCK CIRCUMFERENCE, SIT, CFG #180
 ..CALF CIRCUMFERENCE #207
 ..Calf CIRCUMFERENCE, II #209
 ..CHEST CIRCUMFERENCE #230
 ..CHEST CIRCUMFERENCE AT SCYE #231
 ..CHEST CIRCUMFERENCE BELOW BUST #232
 ..ELBOW CIRCUMFERENCE, FLEXED #300
 ..ELBOW CIRCUMFERENCE, RELAXED #303
 ..FIST CIRCUMFERENCE #352
 ..FOREARM CIRCUMFERENCE, FLEXED #359
 ..FOREARM CIRCUMFERENCE, RELAXED #370
 ..HAND CIRCUMFERENCE #416
 ..HAND CIRCUMFERENCE INCLUDING THUMB #417
 ..HEAD CIRCUMFERENCE #430
 ..HEEL-ANKLE CIRCUMFERENCE #445
 ..HIP CIRCUMFERENCE AT TROCHANTERION #449
 ..HIP CIRCUMFERENCE 7" BELOW WAIST #448
 ..HIP CIRCUMFERENCE 9" BELOW WAIST #468
 ..HIP CIRC 7" BELOW WAIST, OFG #470
 ..HIP CIRC 9" BELOW WAIST, OFG #472
 ..INSEIN CIRCUMFERENCE #493
 ..KNEE CIRCUMFERENCE #515
 ..KNEE CIRCUMFERENCE, SITTING #517
 ..LOWER THIGH CIRCUMFERENCE #561
 ..NECK CIRCUMFERENCE #639
 ..SCYE CIRCUMFERENCE #735
 ..SHOULDER CIRCUMFERENCE #747
 ..THIGH CIRCUMFERENCE #852
 ..THIGH CIRCUMFERENCE, SITTING #853
 ..VERTICAL TRUNK CIRCUMFERENCE #916
 ..VERTICAL TRUNK CIRCUMFER, SITTING #917
 ..WAIST CIRCUMFERENCE #931
 ..WAIST CIRCUMFERENCE, OFG #932
 ..WAIST CIRCUMFERENCE, SITTING #933
 ..WRIST CIRCUMFERENCE #967

CRINION
 ..BITHRAGION-CRINION ARC #146
 ..MENTON-CRINION LENGTH #583

CROTCH
 ..CROTCH HEIGHT #249
 ..CROTCH LENGTH #252
 ..SCROTAL-ANTERIOR MIDSHOULDER #706
 ..SCROTAL-ANTERIOR MIDSHOULDER, SIT #707
 ..SCROTAL-ANTERIOR SCYE-LEVEL LGTH #709
 ..SCROTAL-ANTERIOR SCYE-LEVEL, SIT #710
 ..SCROTAL-ANTERIOR WAIST LENGTH #711
 ..SCROTAL-ANTERIOR WAIST LGTH, SIT #712
 ..SCROTAL-TO CERVICAL LENGTH #714
 ..SCROTAL-TO CERVICAL LENGTH, SIT #715
 ..SCROTAL-MIDSHOULDER OVER BUTTOCK #717
 ..SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 ..SCROTAL-MIDSHOULDER/POSTERIOR #719
 ..SCROTAL-MIDSHOULDER/POST, SIT #720
 ..SCROTAL-POSTERIOR SCYE LEVEL #722
 ..SCROTAL-POSTERIOR SCYE LVL, SIT #723
 ..SCROTAL-POSTERIOR WAIST LEVEL #724
 ..SCROTAL-POSTERIOR WAIST LVL, SIT #725
 ..VERTICAL TRUNK CIRCUMFERENCE #916
 ..VERTICAL TRUNK CIRCUMFER, SITTING #917

CROTCH HEIGHT #249
 CROTCH LENGTH #252
 CURVATURE
 ..BACK CURVATURE #93

DACTYLION
 ..DACTYLION HEIGHT #265
 DACTYLION HEIGHT #265
 DELTOID MUSCLES
 ..BIDELTOID LENGTH #122
 ..DELTOID ARC #269
 ..SHOULDER CIRCUMFERENCE #747
 DELTOID ARC #265
 DEPTHS
 ..ABDOMINAL DEPTH, SITTING # 6
 ..ABDOMINAL EXTENSION DEPTH #10
 ..ABDOMINAL EXTENSION DEPTH., CFG # 14
 ..BUTTOCK DEPTH #183
 ..BUTTOCK DEPTH, OFG #185
 ..BUST DEPTH #189
 ..CHEST DEPTH #236
 ..CHEST DEPTH AT SCYE #237
 ..THIGH CLEARANCE #856

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

DEPTHS-CONTINUED	ELBOWS
..WAIST DEPTH #939	..ELBOW BREADTH #293
..WAIST DEPTH, CFG #943	..ELBOW BREADTH, II #297
	..ELBOW CIRCUMFERENCE, FLEXED #300
	..ELBOW CIRCUMFERENCE, RELAXED #303
	..ELBOW HEIGHT #309
	..ELBOW REST HEIGHT #312
	..ELBOW-ELBOW BREADTH #318
	..ELBOW-GRIP LENGTH #322
	..ELBOW-WRIST LENGTH #324
	..FOREARM-HAND LENGTH #381
	..RADIALE-STYLION LENGTH #698
	..SHOULDER-ELBOW LENGTH #751
	..SLEEVE LENGTH SEGMENT/SPINE-ELBOW #768
	ELBOW BREADTH #293
	ELBOW BREADTH, II #297
	ELBOW CIRCUMFERENCE, EXTENDED
	-SEE ELBOW CIRCUMFERENCE, RELAXED #303
	ELBOW CIRCUMFERENCE, FLEXED #300
	ELBOW CIRCUMFERENCE, RELAXED #303
	ELBOW-FINGER TIP LENGTH
	-SEE FOREARM-HAND LENGTH #381
	ELBOW HEIGHT #309
	ELBOW REST HEIGHT #312
	ELBOW-ELBOW BREADTH #318
	ELBOW-GRIP LENGTH #322
	ELBOW-WRIST LENGTH #324
	EXTERNAL CANTHUS TO VERTEX
	-SEE ECTOCANTHUS TO TOP OF HEAD #289
	EXTERNAL CANTHUS TO WALL
	-SEE ECTOCANTHUS TO WALL #291
	EYES
	..BIOCULAR BREADTH #138
	..ECTOCANTHUS TO OTOBASION #287
	..ECTOCANTHUS TO TOP OF HEAD #289
DIAGONALS	
..HEAD DIAGONAL-INION TO PRONASALE #433	
..HEAD DIAGONAL-MENTON TO OCCIPUT #437	
..HEAD DIAGONAL-MAXILLUM TO NUCHALE #438	
DIAMETERS	
..FINGER DIAMETER, III #34	
..GRIP DIAMETER, INSIDE #402	
..GRIP DIAMETER, OUTSIDE #404	
DORSAL HAND SKINFOLD #273	
EARS	
..PIAURICULAR BREADTH #107	
..BITRAGION BREADTH #142	
..BITRAGION-CORONAL ARC #144	
..BITRAGION-INION ARC #148	
..BITRAGION-MENTON ARC #150	
..BITRAGION-POSTERIOR ARC #154	
..BITRAGION-SUPRACILIAR ARC #156	
..BITRAGION-SUENASALE ARC #158	
..EAR BREADTH #277	
..EAR LENGTH #280	
..EAR LENGTH ABOVE TRAGION #282	
..EAR PROTRUSION #285	
..ECTOCANTHUS TO OTOBASION #287	
..TRAGION HEIGHT #877	
..TRAGION TO TCF OF HEAD #882	
..TRAGION TO WALL #884	
EAR BREADTH #277	
EAR LENGTH #280	
EAR LENGTH ABOVE TRAGION #282	
EAR PROTRUSION #285	
EAR-TO-EAR BREADTH	
-SEE BIAURICULAR BREADTH #107	
ECTOCANTHUS	
..BIOCULAR BREADTH #138	
..ECTOCANTHUS TO OTOBASION #287	
..ECTOCANTHUS TO TOP OF HEAD #289	
..ECTOCANTHUS TO WALL #291	
ECTOCANTHUS TO OTOBASION #287	
ECTOCANTHUS TO TCF OF HEAD #289	

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

EYES-CONTINUED
 ..ECTOCANTHUS TO WALL #351
 ..EYE HEIGHT #328
 ..EYE HEIGHT, SITTING #330
 ..INTEROCULAR BREADTH #500
 ..INTERPUPILLARY BREADTH #503
 EYE HEIGHT #328
 EYE HEIGHT, SITTING #330
 FACE--SEE HEAD AND FACE
 FACE BREADTH
 -SEE BIZYGOMATIC BREADTH #465
 FACE LENGTH
 -SEE MENTON-SELLION LENGTH #586
 FEET
 ..BALL-OF-FOOT CIRCUMFERENCE #97
 ..FOOT BREADTH #356
 ..FOOT LENGTH #362
 ..HEEL-ANKLE CIRCUMFERENCE #445
 ..HEEL BREADTH #450
 ..INSTEP CIRCUMFERENCE #493
 ..INSTEP LENGTH #496
 FEMORAL BREADTH #334
 FEMORAL BREADTH, II #336
 FIBULAR HEIGHT #340
 FINGER DIAMETER III #344
 FINGER II-CROTCH LENGTH #345
 FINGERS
 ..ARM REACH FROM WALL #310
 ..CARTYLION HEIGHT #265
 ..ELBOW-GRIP LENGTH #322
 ..FINGER DIAMETER III #344
 ..FINGER II-CROTCH LENGTH #345
 ..FIRST PHALANX III LENGTH #348
 ..FIRST CIRCUMFERENCE #352
 ..FOREARM-HAND LENGTH #351
 ..GRIP DIAMETER, INSIDE #402
 ..GRIP DIAMETER, OUTSIDE #404
 ..HAND LENGTH #420
 ..MAXIMUM REACH FROM WALL #572
 ..THUMB-IF REACH #867
 ..THUMB-IF REACH, EXTENDED #869
 FIRST PHALANX III LENGTH #348
 FIST
 ..FIST CIRCUMFERENCE #352
 FIST CIRCUMFERENCE #352
 FCOT BREADTH #356
 FOOT LENGTH #362
 FOREARM
 ..FOREARM CIRCUMFERENCE, FLEXED #369
 ..FOREARM CIRCUMFERENCE, RELAXED #370
 ..FOREARM-FOREARM BREADTH #378
 ..FOREARM-HAND LENGTH #381
 ..RADIALE-STYLION LENGTH #698
 ..WRIST CIRCUMFERENCE #967
 FOREARM CIRCUMFERENCE, EXTENDED
 -SEE FOREARM CIRCUMFERENCE, RELAXED #370
 FOREARM CIRCUMFERENCE, FLEXED #369
 FOREARM CIRCUMFERENCE, RELAXED #370
 FOREARM-FOREARM BREADTH #378
 FOREARM-HAND LENGTH #381
 FOREHEAD
 ..BITRAGION-MINIMUM FRONTAL ARC #152
 ..BITRAGION-GRINION ARC #146
 ..GLABELLA TO TOP OF HEAD #349
 ..GLABELLA TO WALL #391
 ..HEAD LENGTH #441
 ..MAXIMUM FRONTAL BREADTH #569
 ..MENTON-GRINION LENGTH #583
 ..MINIMUM FRONTAL ARC #616
 ..MINIMUM FRONTAL BREADTH #618
 ..SAGITTAL ARC #702
 FOUNDATION GARMENTS, MEASUREMENTS OVER
 ..ABDOMINAL EXTENSION CIRCUM., OFG # 9
 ..ABDOMINAL EXTENSION DEPTH., OFG # 14
 ..ABDOMINAL EXTENSION HEIGHT, OFG # 19
 ..BUTTOCK CIRC. SIT., OFG #180
 ..BUTTOCK DEPTH, OFG #185
 ..HIP BREADTH, OFG #461
 ..HIP CIRC 7" BELOW WAIST, OFG #470
 ..HIP CIRC 9" BELOW WAIST, OFG #472
 ..THIGH-THIGH BREADTH, SITTING, OFG #860
 ..WAIST BREADTH, OFG #929
 ..WAIST CIRCUMFERENCE, OFG #832
 ..WAIST DEPTH, OFG #942
 ..WAIST HEIGHT, OFG #953

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

FUNCTIONAL REACH
-SEE THUMB-TIP REACH #867

GLABELLA TO TOP OF HEAD #389

GLABELLA TO WALL #391

GLUTEAL FURROW
..GLUTEAL ARC #395
..GLUTEAL FURROW HEIGHT #396

GLUTEAL ARC #395

GLUTEAL FURROW HEIGHT #398

CONIAL ANGLE
..BIGONIAL BREADTH #412

GRIP
..GRIP DIAMETER, INSIDE #402
..GRIP DIAMETER, OUTSIDE #404
..GRIP STRENGTH #407

GRIP DIAMETER, INSIDE #402

GRIP DIAMETER, OUTSIDE #404

GRIP STRENGTH #407

GUESSED HEIGHT
-SEE STATURE AS REPORTED #208

GUESSED WEIGHT
-SEE WEIGHT AS REPORTED #960

HAIRLINE
..BITRAGION-CRINION ARC #146
..PENTON-CRINION LENGTH #563

HAND
..ARM REACH FROM WALL #80
..DACTYLIC HEIGHT #265
..DORSAL HAND SKINFOLD #273
..ELBOW-GRIP LENGTH #322
..FINGER DIAMETER III #344
..FINGER II-CROTCH LENGTH #345
..FIRST PHALANX III LENGTH #348
..FIRST CIRCUMFERENCE #352
..FOREARM-HAND LENGTH #381
..GRIP DIAMETER, INSIDE #402
..GRIP DIAMETER, OUTSIDE #404
..GRIP STRENGTH #407
..HAND BREADTH #411

..HAND BREADTH ACROSS THUMB #413
..HAND CIRCUMFERENCE #416
..HAND CIRCUMFERENCE INCLUDING THUMB #417
..HAND LENGTH #420
..HAND THICKNESS #423
..METACARPALE III HEIGHT #601
..PALM LENGTH #656
..THUMB-TIP REACH #867
..THUMB-TIP REACH, EXTENDED #869

HAND BREADTH #411

HAND BREADTH ACROSS THUMB #413

HAND BREADTH AT METACARPALE
-SEE HAND BREADTH #411

HAND CIRCUMFERENCE #416

HAND CIRCUMFERENCE INCLUDING THUMB #417

HAND LENGTH #420

HAND THICKNESS #423

HAND THICKNESS AT METACARPALE
-SEE HAND THICKNESS #423

HEAD & FACE
..BIAURICULAR BREADTH #107
..BIGONIAL BREADTH #126
..BIOCULAR BREADTH #138
..BITRAGION BREADTH #142
..BITRAGION-CRINION ARC #144
..BITRAGION-CRINION ARC #146
..BITRAGION-INCIN ARC #148
..BITRAGION-PENTON ARC #150
..BITRAGION-MINIMUM FRONTAL ARC #152
..BITRAGION-POSTERIOR ARC #154
..BITRAGION-SUBMANDIBULAR ARC #156
..BITRAGION-SUBNASALE ARC #158
..BIZYGOMATIC BREADTH #165
..CHIN PROMINENCE TO WALL #245
..EAR BREADTH #277
..EAR LENGTH #280
..EAR LENGTH ABOVE TRAGION #282
..EAR PROTRUSION #285
..ECTOCANTHUS TO OTOBASION #287
..ECTOCANTHUS TO TOP OF HEAD #289
..ECTOCANTHUS TO WALL #291
..GLABELLA TO TOP OF HEAD #389
..GLABELLA TO WALL #391
..HEAD BREADTH #427
..HEAD CIRCUMFERENCE #430

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

HEAD & FACE-CONTINUED

..HEAD DIAGONAL-INION TO PRONASALE #433

..HEAD DIAGONAL-MENTON TO OCCIPUT #437

..HEAD DIAGONAL/MAXIMUM-MUCHALE #438

..HEAD LENGTH #441

..INTEROCULAR BREADTH #500

..INTERPUPILLARY BREADTH #503

..LIP LENGTH #547

..LIP LENGTH, SMILING #549

..LIP PROTRUSION TO WALL #552

..MAXIMUM FRONTAL BREADTH #569

..MENTON-ORINION LENGTH #583

..MENTON-SELION LENGTH #586

..MENTON-SUENASALE LENGTH #592

..MENTON TO TCF OF HEAD #595

..MENTON TO WALL #597

..MINIMUM FRONTAL ARC #616

..MINIMUM FRONTAL BREADTH #618

..NASAL BREADTH #622

..NASAL ROOT BREADTH #625

..NASAL ROOT HEIGHT #629

..NOSE LENGTH #649

..NOSE PROTRUSION #652

..PHILTRUM LENGTH #674

..PRONASALE TO TCF OF HEAD #692

..PRONASALE TO WALL #694

..SAGITTAL ARC #702

..SELION TO TCF OF HEAD #739

..SELION TO WALL #741

..STOMION TO TCF OF HEAD #815

..SUENASALE-SELION LENGTH #825

..SUENASALE TO TCF OF HEAD #827

..SUENASALE TO WALL #829

..TRAGION HEIGHT #877

..TRAGION TO TCF OF HEAD #882

..TRAGION TO WALL #884

HEAD BREADTH #427

HEAD CIRCUMFERENCE #430

HEAD DIAGONAL-INION TO PRONASALE #433

HEAD DIAGONAL/MENTON

-SEE HEAD DIAG./MENTON TO OCCIPUT #437

HEAD DIAGONAL-MENTON TO OCCIPUT #437

HEAD DIAGONAL/MAXIMUM-MUCHALE #438

HEAD HEIGHT

-SEL TRAGION TO TCF OF HEAD #882

HEAD LENGTH #441

HEEL

..BUTTOCK-HEEL LENGTH #191

..FOOT LENGTH #362

..HEEL-ANKLE CIRCUMFERENCE #445

..HEEL BREADTH #450

..INSTEP LENGTH #456

HEEL-ANKLE CIRCUMFERENCE #445

HEEL BREADTH #450

HEEL CIRCUMFERENCE

-SEE HEEL-ANKLE CIRCUMFERENCE #445

HEIGHT

-SEE STATURE #805

HEIGHTS

..ABDOMINAL EXTENSION HEIGHT #18

..ABDOMINAL EXTENSION HEIGHT, OFG #19

..ACROMIAL HEIGHT #23

..ACROMIAL HEIGHT, SITTING #25

..ANKLE HEIGHT #64

..BUSTPOINT HEIGHT #174

..BUSTPOINT HEIGHT #188

..CALF HEIGHT #215

..CERVICALE HEIGHT #219

..CHEST HEIGHT #241

..CROTCH HEIGHT #249

..DACTYLION HEIGHT #265

..ELBOW HEIGHT #309

..ELBOW REST HEIGHT #312

..EYE HEIGHT #328

..EYE HEIGHT, SITTING #330

..FIBULAE HEIGHT #340

..GLUTEAL FURROW HEIGHT #398

..ILIOCRISTALLI HEIGHT #489

..KNEE HEIGHT #527

..KNEE HEIGHT, SITTING #529

..LATERAL MALLEOLUS HEIGHT #543

..MEDIAL MALLEOLUS HEIGHT #579

..METACARPAL II HEIGHT #601

..MIDSHOULDER HEIGHT, SITTING #612

..NASAL ROOT HEIGHT #629

..PATELLA BOTTOM HEIGHT #663

..PATELLA TOP HEIGHT #666

..POPITTEAL HEIGHT #678

..PENALE HEIGHT #670

..SITTING HEIGHT #758

..SITTING HEIGHT, RELAXED #760

..SPHYRION HEIGHT #801

..STATURE #805

..STATURE AS REPORTED BY SUBJECT #808

..STATURE, MAXIMUM #811

..SUBSTERNALE HEIGHT #837

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

HEIGHTS-CONTINUED
 ..SUPRASTERNAL HEIGHT #841
 ..TIBIAL HEIGHT #873
 ..TRAGION HEIGHT #877
 ..TROCHANTERION HEIGHT #894
 ..TRUNK HEIGHT #898
 ..WAIST HEIGHT #949
 ..WAIST HEIGHT, SITTING #951
 ..WAIST HEIGHT, OFG #953
 ..WRIST HEIGHT #973

 HEIGHTS-SITTING
 ..ACROMIAL HEIGHT, SITTING #25
 ..ELBOW REST HEIGHT #312
 ..EYE HEIGHT, SITTING #330
 ..MIDSHOULDER HEIGHT, SITTING #612
 ..POPULITEAL HEIGHT #678
 ..SITTING HEIGHT #758
 ..SITTING HEIGHT, RELAXED #760
 ..TRUNK HEIGHT #898
 ..WAIST HEIGHT, SITTING #951
 ..WAIST HEIGHT, SITTING, OFG #953

 HIP
 ..BILIACROSTALE BREADTH #130
 ..BITROCHANTERIC BREADTH #161
 ..BUTTOCK CIRCUMFERENCE #178
 ..BUTTOCK CIRCUMFERENCE, SITTING #179
 ..BUTTOCK CIRCUMFERENCE, SIT, CFG #180
 ..BUTTOCK DEPTH #183
 ..BUTTOCK DEPTH, OFG #185
 ..HIP BREADTH #457
 ..HIP BREADTH, CFG #461
 ..HIP BREADTH, SITTING #459
 ..HIP CIRCUMFERENCE AT TROCHANTERION #465
 ..HIP CIRCUMFERENCE 7" BELOW WAIST #466
 ..HIP CIRCUMFERENCE 9" BELOW WAIST #468
 ..HIP CIRC 7" BELOW WAIST, OFG #470
 ..HIP CIRC 9" BELOW WAIST, OFG #472
 HIP BREADTH #457
 HIP BREADTH, OFG #461
 HIP BREADTH, SITTING #459
 HIP CIRCUMFERENCE
 -SEE BUTTOCK CIRCUMFERENCE #178
 -SEE HIP CIRCUMF. AT TROCHANTERION #465
 HIP CIRCUMFERENCE AT TROCHANTERION #465
 HIP CIRCUMFERENCE 7" BELOW WAIST #466
 HIP CIRCUMFERENCE 9" BELOW WAIST #468

 HIP
 HIP CIRC 7" BELOW WAIST, OFG #470
 HIP CIRC 9" BELOW WAIST, OFG #472
 HIP HEIGHT
 -SEE TROCHANTERION HEIGHT #894
 HUMERAL BREADTH
 -SEE ELBOW BREADTH #293 & #297
 ILIOACROSTALE HEIGHT #489
 ILIUM
 ..BILIACROSTALE BREADTH #130
 ..ILIOACROSTALE HEIGHT #489
 ..SUPRAILLIAC SKINFOLD #844
 ..SUPRAILLIAC SKINFOLD, II #845
 INION
 ..BITRAGION-INION ARC #148
 INSEAM
 ..CROTCH HEIGHT #249
 ..SLEEVE INSEAM #764
 INSTEP
 ..BALL-OF-FOOT CIRCUMFERENCE #97
 ..FOOT BREADTH #356
 ..INSTEP CIRCUMFERENCE #493
 ..INSTEP LENGTH #496
 INSTEP CIRCUMFERENCE #493
 INSTEP LENGTH #496
 INTEROCULAR BREADTH #500
 INTERPUPILLARY BREADTH #503
 INTERSCYE #506
 -ALSO SEE INTERSCYE II #509
 INTERSCYE, MAXIMUM #507
 -ALSO SEE INTERSCYE, MAXIMUM II #508
 INTERSCYE, II #508
 INTERSCYE, MAXIMUM, II #509

 JAWS
 ..BIGONIAL BREADTH #126
 ..BITRAGION-SUBMANDIBULAR ARC #156
 JUXTANIPPLE SKINFOLD #511

```
.KNEE  
..BUTTOCK-KNEE LENGTH #194  
...BUTTOCK-POPITALEAL LENGTH #200  
....CALF CIRCUMPERENCE #207  
.....Calf CIRCUMPERENCE, II #209  
.....Calf HEIGHT #215  
.....CROTCH HEIGHT #249  
.....FEMORAL BREADTH #334  
.....FEMORAL HEIGHT, II #336  
.....GLUTEAL FURROW HIGHT #398  
.....KNEE CIRCUMFERANCE #F15  
.....KNEE CIRCUMPERENCE, SITTING #517  
.....KNEE HEIGHT #527  
.....KNEE HEIGHT, SITTING #529  
.....KNEE-TO-KNEE BREATH #532  
.....LATERAL MALLEOLUS HEIGHT #543  
.....LOWER THIGH CIRCUMFERENCE #561  
.....MEDIAL CALF SKINFOLD #576  
.....MEDIAL MALLOULUS HEIGHT #579  
.....PATELLA BOTTOM HEIGHT #663  
.....PATELLA TCF HEIGHT #666  
.....POPLITEAL HEIGHT #678  
.....SUPRPAPELLLA SKINFOLD #848  
.....THIGH CIRCUMFERENCE #852  
.....THIGH CIRCUMPERENCE, SITTING #853  
.....THIGH CLEARANCE #860  
.....THIGH-THIGH AREADITH, SITTING #859  
.....TIBIALE HEIGHT #873  
.....TROCHANTERION HEIGHT #894
```

LENGTHS

```
..ACROMION TO RICEPS CIRCUMF.-LEVEL #70  
..ACROMION-RADIALL LENGTH #39  
..ANTERIOR NECK LENGTH #72  
..ANTERIOR WAIST LENGTH #74  
..AXILLA TO WAIST LENGTH #91  
..BUTTOCK-H-EEL LENGTH #191  
..BUTTOCK-KNEE LENGTH #194  
..BUTTOCK-POPITALEAL LENGTH #200  
..CROTCH LENGTH #252  
..EAR LENGTH #280  
..EAR LENGTH ABOVE TRAGION #282  
..ELBOW-GZIP LENGTH #322  
..ELBOW-WAIST LENGTH #324  
..FIRST PHALANX I-I LENGTH #348  
..FOOT LENGTH #362  
..FOREARM-HAND LENGTH #381  
..FORFFINGER LENGTH #385  
..HAND LENGTH #420  
..HEAD LENGTH #441  
..INSTEP LENGTH #496  
..LIPI LENGTH #547  
..LIPI LENGTH , SWILING #549  
..LIPI-TO LIIP-LENGTH #555  
..MENTON-ORINION LENGTH #583  
..MENTON-SOLLICN LENGTH #586
```

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

LENGTHS-CONTINUED

- ..MENTON-SUENASALE LENGTH #592
- ..NECK-POSTFICNT LENGTH #636
- ..NOSE LENGTH #646
- ..PALM LENGTH #656
- ..PHILTRUM LENGTH #674
- ..POSTERIOR NECK LENGTH #686
- ..RADIAL-STYLION LENGTH #698
- ..SCROTAL-ANTERIOR MIDSHOULDER #706
- ..SCROTAL-ANTERIOR MIDSHOULDER, SIT #707
- ..SCROTAL-ANTERIOR SCYE-LEVEL LGTH #709
- ..SCROTAL-ANTERIOR SCYE, SIT #710
- ..SCROTAL-ANTERIOR SCYE, SIT #711
- ..SCROTAL-ANTERIOR SCYE, SIT #712
- ..SCROTAL-TO CERVICAL LENGTH #714
- ..SCROTAL-TO CERVICAL LENGTH, SIT #715
- ..SCROTAL-MIDSHOULDER OVER BUTTOCK #717
- ..SCROTAL-MIDSHOULDER/POSTERIOR #719
- ..SCROTAL-MIDSHOULDER/PCST'R, SIT #720
- ..SCROTAL-POSTERIOR SCYE LEVEL #722
- ..SCROTAL-POSTERIOR SCYE LVL, SIT #723
- ..SCROTAL-POSTERIOR SCYE LVL, SIT #724
- ..SCROTAL-POSTERIOR SCYE LVL, SIT #725
- ..SCROTAL-TO SUPRASTERNAL LENGTH #727
- ..SCROTAL-SUPRASTERNAL, SITTING #728
- ..SCROTAL-WAIST OVER BUTTOCK #730
- ..SCROTAL-WAIST OVER BUTTOCK, SIT #731
- ..SHOULDER-ELBOW LENGTH #751
- ..SHOULDER LENGTH #754
- ..SLEEVE INSEAM #764
- ..SLEEVE LENGTH SEGMENT/SPINE-ELBOW #766
- ..SLEEVE LENGTH SEGMENT/SPINE-SCYE #770
- ..SLEEVE LENGTH (SPINE-WRIST) #772
- ..STRAP LENGTH #821
- ..SUENASALE-SELLION LENGTH #825
- ..WAIST BACK #821
- ..WAIST FRONT #846

LIPS

- ..LIP LENGTH #547
- ..LIP LENGTH, SMILING #549
- ..LIP PROTRUSION TO WALL #552
- ..LIP-TO-LIP LENGTH #555
- ..PHILTRUM LENGTH #674
- ..STOMION TO TCF OF HEAD #815

LIP LENGTH #547

LIP LENGTH, SMILING #549

LIP PROTRUSION TO WALL #552

LIP-TO-LIP LENGTH #555

LOWEPA-M--SEE FOREARM

LCWEARM CIRCUMFERENCE, EXTENDED

- SEE FOREARM CIRCUMFERENCE, RELAXED #370

LCWEARM CIRCUMFERENCE, FLEXED

- SEE FOREARM CIRCUMFERENCE, FLEXED #369

LOWER TIGH CIRCUMFERENCE #561

MALLEOLUS

- ..BIMALLEOLAR BREADTH #134
- ..LATERAL MALLEOLUS HEIGHT #543
- ..MEDIAL MALLEOLUS HEIGHT #579

MANDIBLE

- ..BITRAGION-SUBMANDIBULAR ARC #156

MAXIMUM FRONTAL BREADTH #569

MAXIMUM FOREARM-FOREARM BREADTH

- SEE FOREARM-FOREARM BREADTH #378

MAXIMUM REACH FROM WALL #572

MEDIAL CALF SKINFOLD #576

MEDIAL MALLEOLUS HEIGHT #579

MENTON--SEE CHIN

MENTON-CPINION LENGTH #583

MENTON PROJECTION #585

MENTON-NASAL ROOT LENGTH

- SEE MENTON-SELLION LENGTH #586

MENTON-SELLION LENGTH #586

MENTON-SUENASALE LENGTH #592

MENTON TO TOP OF HEAD #595

MENTON TO WALL #597

METACARPAL

- ..FINGER II-CHOIC LENGTH #345
- ..FIRST PHALANX III LENGTH #348
- ..HAND BREADTH #411
- ..HAND CIRCUMFERENCE #416
- ..HAND THICKNESS #423
- ..METACARPAL III HEIGHT #601
- ..PALM LENGTH #656

METACARPAL III HEIGHT #601

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

MIDAXILLARY
 ..MIDAXILLARY-XIPHOID SKINFOLD #606
 MIDAXILLARY-XIPHOID SKINFOLD #606

MIDSHOULDER
 ..MIDSHOULDER HEIGHT, SITTING #612
 ..SCROTAL-ANTERIOR MIDSHOULDER #706
 ..SCROTAL-ANT MIDSHOULDER, SIT #707
 ..SCROTAL-MIDSHOULDER OVER BUTTOCK #717
 ..SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 ..SCROTAL-MIDSHOULDER/POSTERIOR #719
 ..SCROTAL-MIDSHOULDER/PCST'R, SIT #720

MIDSHOULDER HEIGHT, SITTING #612

MINIMUM FRONTAL ARC #616

MINIMUM FRONTAL BREADTH #618

MOUTH
 ..LIP LENGTH #547
 ..LIP LENGTH, SMILING #549
 ..LIP PROTRUSION TO WALL #552
 ..LIP-TO-LIP LENGTH #555
 ..STOMION TO TOP OF HEAD #815

NASAL BREADTH #622

NASAL ROOT
 ..MENTUM-SELLION LENGTH #586
 ..NASAL ROOT BREADTH #625
 ..NASAL ROOT HEIGHT #629
 ..SELLION TO TOP OF HEAD #739
 ..SELLION TO WALL #741
 ..SUBNASAL-SELLION LENGTH #825

NASAL ROOT BREADTH #625

NASAL ROOT HEIGHT #629

NASAL ROOT TO VERTEX
 -SEE SELLION TO TOP OF HEAD #739

NASAL ROOT TO WALL
 -SEE SELLION TO WALL #741

NECK
 ..ANTERIOR NECK LENGTH #72
 ..CERVICAL HEIGHT #219
 ..NECK-BUSTPOINT LENGTH #636
 ..NECK-CERVICAL LENGTH #637
 ..NECK-WAIST LENGTH #638
 ..NECK CIRCUMFERENCE #639
 ..POSTERIOR NECK LENGTH #686

NECK-BUSTPOINT LENGTH #636

NECK-CERVICAL LENGTH #637

NECK-WAIST LENGTH #638

NECK CIRCUMFERENCE #639

NECK CIRCUMFERENCE/MAXIMUM
 -SEE NECK CIRCUMFERENCE #639

NIPPLE HEIGHT
 -SEE CHEST HEIGHT #241

NIPPLE-NIPPLE LENGTH
 -SEE BUSTPOINT-EUSTPOINT LENGTH #172

NCSE
 ..HEAD DIAGONAL-INION TO PRONASALE #433
 ..MENTUM-SUBNASALE LENGTH #592
 ..NASAL BREADTH #622
 ..NASAL ROOT BREADTH #625
 ..NASAL ROOT HEIGHT #629
 ..NOSE LENGTH #649
 ..NOSE PROTRUSION #652
 ..PRONASALE TO TOP OF HEAD #692
 ..PRONASALE TO WALL #694
 ..SUBNASAL-SELLION LENGTH #825
 ..SUBNASALE TO TOP OF HEAD #827
 ..SUBNASALE TO WALL #829

NCSE LENGTH #649

NCSE PROTRUSION #652

NUCHALE
 ..HEAD DIAGONAL/MAXIMUM-NUCHALE #438
 ..SAGITTAL ARC #702

OCCIPUT--SEE BACK OF HEAD

OVERHEAD REACH
 -SEE VERTICAL GRIP REACH #911

PALM LENGTH #656

PATELLA--SEE KNEE

PATELLA BOTTOM HEIGHT #663

PATELLA TOP HEIGHT #666

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

PENILE HEIGHT #670
 PHILTRUM LENGTH #674
 POPLITEAL
 ..BUTTOCK-POPLITEAL LENGTH #200
 ..POPLITEAL HEIGHT #678
 POPLITEAL HEIGHT #678
 POSTERIOR ARC
 -SEE BITRAGION-POSTERIOR ARC #154
 POSTERIOR NECK LENGTH #686
 PRONASALE
 ..HEAD DIAGONAL-INION TO PRONASALE #433
 ..PRONASALE TO TCF OF HEAD #692
 ..PRONASALE TO WALL #694
 PRONASALE TO TOF OF HEAD #692
 PRONASALE TO WALL #694
 RADIALE-SEE ELECM
 RADIALE HEIGHT
 -SEE ELBCM HEIGHT #309
 RADIALE-STYLION LENGTH #698
 REACHES
 ..ARM REACH FROM WALL #80
 ..MAXIMUM REACH FROM WALL #572
 ..THUMB-TIP REACH #867
 ..THUMB-TIP REACH, MAXIMUM #869
 ..VERTICAL REACH #911
 SAGITTAL ARC #702
 SAGITTAL ARC-INION
 -SEE SAGITTAL ARC #702
 SCAPULA
 ..SUBSCAPULAR SKINFOLD #833
 ..SUBSCAPULAR SKINFOLD, II #834
 SCROTAL-ANTERIOR MIDSHOULDER #706
 SCROTAL-ANTERIOR MIDSHOULDER, SIT #707
 SCROTAL-ANTERIOR SCYE-LEVEL LGTH #709
 SCROTAL-ANTERIOR SCYE-LEVEL, SIT #710
 SCROTAL-POSTERIOR SCYE LEVEL #722
 SCROTAL-POSTERIOR SCYE LVL, SIT #723
 SCYE CIRCUMFERENCE #735
 SLEEVE INSEAM #764
 SLEEVE LENGTH SEGMENT/SPINE-SCYE #770
 SCYE CIRCUMFERENCE #735
 SEAT BREADTH
 -SEE HIP BREADTH, SITTING #459
 SCROTAL-ANTERIOR WAIST LENGTH #711
 SCROTAL-ANTERIOR WAIST LGTH, SIT #712
 SCROTAL TO CERVICAL LENGTH #714
 SCROTAL TO CERVICAL LENGTH, SIT #715
 SCROTAL-MIDSHOULDER OVER BUTTOCK #717
 SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 SCROTAL-MIDSHOULDER/POSTERIOR #719
 SCROTAL-MIDSHOULDER/POST'R, SIT #720
 SCROTAL-POSTERIOR SCYE LEVEL #722
 SCROTAL-POSTERIOR SCYE LVL, SIT #723
 SCROTAL-POSTERIOR WAIST LEVEL #724
 SCROTAL-POSTERIOR WAIST LVL, SIT #725
 SCROTAL TO SUPRASTERNAL LENGTH #727
 SCROTAL-SUPRASTERNAL, SITTING #728
 SCROTAL-WAIST OVER BUTTOCK #730
 SCROTAL-WAIST OVER BUTTOCK, SIT #731
 SCYE
 ..AXILLARY ARM CIRCUMFERENCE #89
 ..AXILLA TO WAIST LENGTH #91
 ..CHEST CIRCUMFERENCE AT SCYE #231
 ..CHEST DEPTH AT SCYE
 ..INTERSCYE #506
 ..INTERSCYE, MAXIMUM #507
 ..INTERSCYE, II #508
 ..INTERSCYE, MAXIMUM, II #509
 ..SCROTAL-ANTERIOR SCYE-LEVEL LGTH #709
 ..SCROTAL-ANTERIOR SCYE-LEVEL, SIT #710
 ..SCROTAL-POSTERIOR SCYE LEVEL #722
 ..SCROTAL-POSTERIOR SCYE LVL, SIT #723
 ..SCYE CIRCUMFERENCE #735
 ..SLEEVE INSEAM #764
 ..SLEEVE LENGTH SEGMENT/SPINE-SCYE #770
 SCYE CIRCUMFERENCE #735
 SEAT BREADTH
 -SEE HIP BREADTH, SITTING #459

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

SEATED MEASUREMENTS

..ABDOMINAL DEPTH, SITTING # 6
 ..ACROMIAL HEIGHT, SITTING #25
 ..BUTTOCK CIRCUMFER, SITTING #179
 ..BUTTOCK CIRC SIT, OFG #180
 ..BUTTOCK-HEEL LENGTH #491
 ..BUTTOCK-FOPLITEAL LENGTH #200
 ..BUTTOCK-KNEE LENGTH #194
 ..ELBOW REST HEIGHT #312
 ..EYE HEIGHT, SITTING #330
 ..KNEE CIRCUMFERENCE, SITTING #517
 ..MIDSHOULDER HEIGHT, SITTING #612
 ..POPLITEAL HEIGHT #678
 ..SCROTAL-ANTERIOR MIDSHOULDER, SIT #707
 ..SCROTAL-ANTERIOR SCYE-LEVEL, SIT #710
 ..SCROTAL-ANTERIOR WAIST LGTH, SIT #712
 ..SCROTAL TO CERVICALE LENGTH, SIT #715
 ..SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 ..SCROTAL-MIDSHOULDER/POST'R, SIT #720
 ..SCROTAL-POSTERIOR SCYE LVL, SIT #723
 ..SCROTAL-POSTERIOR WAIST LVL, SIT #725
 ..SITTING HEIGHT #758
 ..SITTING HEIGHT, RELAXED #760
 ..THIGH CLEARANCE #856
 ..THIGH CIRCUMFERENCE, SITTING #853
 ..THIGHT-THIGH BREADTH, SITTING #859
 ..TRUNK HEIGHT #898
 ..VERTICAL TRUNK CIRC, SITTING #917
 ..WAIST CIRCUMFERENCE, SITTING #933
 ..WAIST HEIGHT, SITTING #951

SELLION TO TOP OF HEAD #739

SELLION TO WALL #741

SELLION--SEE NASAL ROOT

SHOULDER

..ACROMIAL HEIGHT #23
 ..ACROMIAL HEIGHT, SITTING #25
 ..ACROMION TO ELCEPS CIRCUMF.-LEVEL #30
 ..ACROMION-RADIALE LENGTH #39
 ..BIACROMIAL BREADTH #103
 ..BIDELTIC BREADTH #122
 ..DELTOID ARC #269
 ..MIDSHOULDER HEIGHT, SITTING #612
 ..NECK-BUSTFECINT LENGTH #636
 ..SCROTAL-ANTERIOR MIDSHOULDER #706
 ..SCROTAL-ANTERIOR MIDSHOULDER, SIT #707
 ..SCROTAL-MIDSHOULDER OVER BUTTOCK #717
 ..SCROTAL-MIDSHOULDER/BUTTOCK, SIT #718
 ..SCROTAL-MIDSHOULDER/PCSTERIOR #719
 ..SCROTAL-MIDSHOULDER/PCST'R, SIT #720
 ..SCYE CIRCUMFERENCE #735

..SHOULDER CIRCUMFERENCE #747
 ..SHOULDER-ELBOW LENGTH #751
 ..SHOULDER LENGTH #754

SHOULDER BREADTH
 -SEE BIDELTIC BREADTH #122

SHOULDER CIRCUMFERENCE #747
 SHOULDER-ELBOW LENGTH #751

SHOULDER HEIGHT
 -SEE ACROMIAL HEIGHT #23

SHOULDER HEIGHT, SITTING
 -SEE ACROMIAL HEIGHT, SITTING #25

SHOULDER LENGTH #754

SITTING HEIGHT #758
 -ALSO SEE SITTING HEIGHT, RELAXED #760

SITTING HEIGHT, ERECT
 -SEE SITTING HEIGHT #758

SITTING HEIGHT, RELAXED #760

SKINFOLDS

..DORSAL HAND SKINFOLD #273
 ..JUXTANIPPLE SKINFOLD #511
 ..MEDIAL CALF SKINFOLD #576
 ..MIDAXILLARY-XIPHOID SKINFOLD #606
 ..SUBSCAPULAR SKINFOLD #833
 ..SUBSCAPULAR SKINFOLD, II #834
 ..SUPRAILLIAC SKINFOLD #844
 ..SUPRAILLIAC SKINFOLD, II #845
 ..SUPRAPATELLA SKINFOLD #848
 ..TRICEPS SKINFOLD, II #890

SKINFOLD JUXTANIPPLE

-SEE JUXTANIPPLE SKINFOLD #511

SKINFOLD MIDAXILLARY LINE-XIPHOID LEVEL
 -SEE MIDAXILLARY-XIPHOID SKINFOLD #606

SKINFOLD SUBSCAPULAR
 -SEE SUBSCAPULAR SKINFOLD #833 & #834

SKINFOLD SUPRAILLIAC
 -SEE SUPRAILLIAC SKINFOLD #844 & #845

SKINFOLD SUPRAPATELLA
 -SEE SUPRAPATELLA SKINFOLD #848

SKINFOLD TRICEPS
 -SEE TRICEPS SKINFOLD #888 & #890

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

SLEEVE		
..SLEEVE INSEAM #764		..WRIST BREADTH #964
..SLEEVE LENGTH SEGMENT/SPINE-ELBOW #768		..WRIST CIRCUMFERENCE #967
..SLEEVE LENGTH SEGMENT/SPINE-SCYE #770		..WRIST HEIGHT #973
..SLEEVE LENGTH (SPINE-WRIST) #772		STYLION HEIGHT
SLEEVE INSEAM #764		-SEE WRIST HEIGHT #973
SLEEVE LENGTH SEGMENT/SPINE-ELBOW #768		SLBNASALE
SLEEVE LENGTH SEGMENT/SPINE-SCYE #770		..BITRAGON-SUBNASALE ARC #158
SLEEVE LENGTH (SPINE-WRIST) #772		..MENTON-SUBNASALE LENGTH #592
SPAN #797		..PHILTRUM LENGTH #674
SPHYRION		..SUBNASALE-SELLION LENGTH #825
..SPHYRION HEIGHT #801		..SUBNASALE TC TCP OF HEAD #827
SPHYRION HEIGHT #801		..SUBNASALE TC WALL #829
SPINE		SUBNASALE-NASAL ROOT DEPRESSION LENGTH
..CERVICALE HEIGHT #219		-SEE SUBNASALE-SELLION LENGTH #825
..SCROTAL TC CERVICALE LENGTH #714		SLBNASALE-SELLION LENGTH #825
..SCROTAL TC CERVICALE LENGTH, SIT #715		SUBNASALE TC TOF OF HEAD #827
..SLEEVE LENGTH SEGMENT/SPINE-ELBOW #768		SUBNASALE TO WALL #829
..SLEEVE LENGTH SEGMENT/SPINE-SCYE #770		SUBSCAPULAR SKINFOLD #833
..SLEEVE LENGTH (SPINE-WRIST) #772		SUBSCAPULAR SKINFOLD, II #834
..TRUNK HEIGHT #898		SUBSTERNAL HEIGHT #837
..WAIST BACK #921		SUPRATERNALE
STATURE #805		..ANTERIOR NECK LENGTH #72
STATURE AS REPORTED BY SUBJECT #806		..SCROTAL TC SUPRATERNALE LENGTH #727
STATURE, MAXIMUM #811		..SCROTAL-SUPRATERNALE, SITTING #728
STERNUM		..SUPRATERNALE HEIGHT #841
..SUBSTERNAL HEIGHT #837		SUPRATERNALE HEIGHT #841
..SUPRATERNALE HEIGHT #841		SUPRAILLIAC SKINFOLD #844
..WAIST FRONT #846		SUPRAILLIAC SKINFOLD, II #845
STOMION-SEE MCLT		SUPRAPATELLA SKINFOLD #848
STOMION TC TOF OF HEAD #815		THICKNESS AT PETIACAPALE III
STRAP LENGTH #821		-SEE HAND THICKNESS #423
STRENGTH		THIGH
..GRIP STRENGTH		..GLUTEAL FURROW HEIGHT #398
STYLION		..LOWER THIGH CIRCUMFERENCE #561
..HAND LENGTH #420		..THIGH CIRCUMFERENCE #852
..RADIAL-STYLELON LENGTH #698		..THIGH CIRCUMFERENCE, SITTING #853
		..THIGH CLEARANCE #856
		..THIGH-THIGH BREADTH, SITTING #859
		..THIGH-THIGH BREADTH, SITTING, OFG #860

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

THIGH CIRCUMFERENCE #852
TROCHANTERIC HEIGHT #894

THIGH CIRCUMFERENCE, SITTING #853
TRUNK
..TRUNK DEPTH #896
..TRUNK HEIGHT #898
..VERTICAL TRUNK CIRCUMFERENCE #916
..VERTICAL TRUNK CIRCUMFER, SITTING #917

THIGH CLEARANCE #856
TRUNK DEPTH #896

THIGH-THIGH BREAETH, SITTING #859
TRUNK HEIGHT #898

THIGH-THIGH BREAETH, SITTING, OFG #860
TRUNK HEIGHT, SITTING
-SEE TRUNK HEIGHT #898

THUMB
..GRIP DIAMETER, INSIDE #402
..HAND BREAETH ACROSS THUMB #413
..HAND CIRCUMFERENCE INCLNG THUME #417
..THUMB-TIP REACH #867
..THUMB-TIP REACH, EXTENDED #869
THUMB-TIP REACH #867

THUMB-TIP REACH, EXTENDED #869
TIBIALE HEIGHT #873

TOP OF HEAD
..BITRAGION-CORONAL ARC #144
..ECTOCANTHUS TC TOF CF HEAD #289
..GLABELLA TC TCF CF HEAC #389
..MENTON TC TCF CF HEAD #595
..SITTING HEIGHT #758
..SITTING HEIGHT, RELAXED #760
..STATURE #805
..STATURE AS REPORTED BY SUBJECT #808
..STATURE, MAXIMLP #811
..STOMION TC TCF CF HEAD #815
..SUBNASALE TC TCF CF HEAC #827
..TRAGION TC TCF CF HEAD #882

TRAGION HEIGHT #877

TRAGION TO TOF CF HEAD #882

TRAGION TO WALL #884

TRICEPS
..TRICEPS SKINFCLC #888
..TRICEPS SKINFCLD, II #890

TRICEPS SKINFCLC #888

TRICEPS SKINFCLC, II #890

TROCHANTER
..BITROCHANTERIC BREAETH #161
..TROCHANTERIC HEIGHT #894

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